OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/14/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	1

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	NABORS 711	**Ref Datum:**	Original KB @3,068.70ft	**DFS:**	0.00
Today's MD:		**Progress:**		**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$11,033
Prev MD:		**Rot Hrs Today:**	0.00 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$11,033
PBMD:		**Avg ROP Today:**	0.0 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,224,234

Current Formation: @ **Lithology:**

Current Ops:

24-Hr Summary: RIG DOWN BACK YARD, PITS MUD PUMPS BRIDLE UP START RIGGING DOWN RIG FLOOR BREAK TOUR @ MIDNIGHT

24-Hr Forecast: (RR 8/30/2012 ROL 9/2/2012) RIG MOVE

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:		**Str Wt Up/Dn:**	/	**Pump Rate:**	0.0	**Conn:**		
Next Casing:		**Str Wt Rot:**		**Pump Press:**	0	**Trip:**		
Last BOP Press Test:		**Torq Off Btm:**				**Backgr:**		
Form Test/EMW:		**Torq On Btm:**						

PERSONNEL	
Supervisor 1:	BEN SWINNEY
Supervisor 2:	ED KITCHEN
Engineer:	KEVIN THREADGILL
Geologist:	
Oxy Personnel:	2
Contractor Personnel:	14
Total on Site:	16

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
									- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI

MUD DATA -

Engineer:		**MBT:**	
Sample From:		**pH:**	
Mud Type:		**Pm / Pom:**	
Time / MD:	/	**Pf / Mf:**	/
Density @ Temp:	/	**Chlorides:**	
Rheology Temp:		**Ca+ / K+:**	/
Viscosity:		**CaCl2:**	
PV / YP:	/	**Clom:**	
Gels 10s/10m/30m:	/ /	**Lime:**	
API WL:		**ES:**	
HTHP WL:		**ECD:**	
Cake API / HTHP:	/	**n / K:**	/
Solids / Sol Corr:	/	**Carbonate:**	
Oil / Water:	/	**Bicarbonate:**	
Sand:		**Form Loss:**	0.0 / 0.0
Water Added:		**Fluid Disch:**	/
Oil Added:			
LGS:	/		

VG Meter:

Comments:

LAST OR CURRENT BHA

Component	OD	ID	Jts	Length

MUD PRODUCTS

Product	Units	Qty Used

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/14/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	1

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
16:00	0:00	8.00	01MIRU	LOCMOV	RD	P	RIG DOWN BACK YARD, PITS MUD PUMPS BRIDAL UP START RIGGING DOWN RIG FLOOR
Total Time		8.00					

Safety Incident? N **Days since Last RI:**

Environ Incident? N **Days since Last LTA:**

Incident Comments:
NO ACCIDENTS OR INCIDENTS

Weather Comments:

Other Remarks:

From the Intersection of Highway 385 and Highway 176 in Andrews, Texas, drive 2.1 miles East on Highway 176 to intersection of Highway 176 and Highway 115. Turn left (Northeast) on Highway 115. From intersection of Highway 115 and Highway 176, drive 6.75 miles Northeast on Highway 115. At intersection of Highway 115 and FM 1788, turn right (South) onto FM 1788. Drive 1.25 miles and turn right (West) onto lease road. Drive 0.9 miles on lease road and arrive at University Caitlyn # 2. From University Caitlyn # 2, drive South on lease road for 0.2 miles and arrive at University Caitlin # 5.

LIFE FLIGHT COORDINATES: LAT- 32º21'36.02"N, LONG- 102º25'35.57"W NAD 27 (X: 479,296.51' , Y: 287,904.12')

FLIGHT FOR LIFE 432-570-4892
ARE FLIGHT 877-730-0009

OXY DSM TRAILER: 281-833-2448

NOTIFIED TRRC OF RUNNING CASING AND CEMENT SPOKE TO ELAINE OPERATOR #21

MORNING CREW SHORT: 0
NIGHT CREW SHORT: 0
NIGHT PUSHER: YES

TOTAL RIG NPT TIME FOR MONTH OF AUGUST 2012 = 24.5 HOURS

ACCIDENTS / INCIDENTS REPORTED LAST 24 HRS: NONE
DAYS WORKED WITH NO LTI: 257
DAYS WORKED WITH NO RI: 227

TOTAL DAILY STOP CARDS: 7
TOTAL SWA'S:2
TOTAL DAILY NEAR MISSES: 0

TOTAL DAILY JSA'S REVIEWED:11
TOTAL DAILY SAFETY MEETINGS: 6
LOTO:8
TOTAL DAILY PERMITS TO WORK: 1

POWER LINE CHECK LIST: 0
PRE SPUD / RIG INSPECTIONS: 0

BEST STOP CARD: HAND WAS NOT USING 3 PT CONTACT COMING DOWN STAIRS. TOLD HIM NOT TO OVERLOAD HIMSELF CARRYING STUFF SO HE COULD USE 3 PT. CONTACT. HE AGREED AND JOB CONTINUED.

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/15/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	2

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	NABORS 711	**Ref Datum:**	Original KB @3,068.70ft	**DFS:**	
Today's MD:		**Progress:**		**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$22,867
Prev MD:		**Rot Hrs Today:**		**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$33,900
PBMD:		**Avg ROP Today:**	0.0 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,224,234

Current Formation: @ **Lithology:**

Current Ops:

24-Hr Summary: WAIT ON DAYLIGHT, PJSM WITH RIG CREWS AND TRUCKS, MOVE RIG TO RUBY GRACE #11 95% RIGGED DOWN 70% MOVED AND 30%

24-Hr Forecast: (RR 8/30/2012 ROL 9/2/2012) CONTINUE RIG MOVE

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:		**Str Wt Up/Dn:**	/	**Pump Rate:**	0.0	**Conn:**		
Next Casing:		**Str Wt Rot:**		**Pump Press:**	0	**Trip:**		
Last BOP Press Test:		**Torq Off Btm:**				**Backgr:**		
Form Test/EMW:		**Torq On Btm:**						

PERSONNEL	
Supervisor 1:	BEN SWINNEY
Supervisor 2:	ED KITCHEN
Engineer:	KEVIN THREADGILL
Geologist:	
Oxy Personnel:	4
Contractor Personnel:	39
Total on Site:	43

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
									- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI

MUD DATA - M-I SWACO

Engineer:	Brandon Smith	**MBT:**	0.0 lbm/bbl
Sample From:	In	**pH:**	8.0
Mud Type:	Spud Mud	**Pm / Pom:**	0.00
Time / MD:	20:51 / 60.0	**Pf / Mf:**	0.1 / 0.3
Density @ Temp:	8.40 / 80	**Chlorides:**	400
Rheology Temp:	120	**Ca+ / K+:**	320 / 0
Viscosity:	26.00	**CaCl2:**	0.00
PV / YP:	1 / 1	**Clom:**	0.59
Gels 10s/10m/30m:	1 / 1 / 1	**Lime:**	0.00
API WL:	45.00	**ES:**	100.20
HTHP WL:	0.00	**ECD:**	0.00
Cake API / HTHP:	1.0 / .0	**n / K:**	0.00 / 0.000
Solids / Sol Corr:	0.00 / 0.00	**Carbonate:**	2 ppm
Oil / Water:	0.0 / 0.0	**Bicarbonate:**	0 ppm
Sand:	0.00	**Form Loss:**	0.0 / 0.0
Water Added:	0.0 bbl	**Fluid Disch:**	/
Oil Added:	0.0 bbl		
LGS:	0.20 / 2.20		

VG Meter: 1@3 / 1@6 / 1@100 / 1@200 / 2@300 / 3@600

Comments: 0

LAST OR CURRENT BHA

Component	OD	ID	Jts	Length

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Drive-By Engineering	Each	1.00
Premix Pit	each	1.00

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/15/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	2

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	7:30	7.50	01MIRU	LOCMOV	MOVE	PT	BREAK TOUR. WAIIT ON DAYLIGHT
7:30	8:00	0.50	01MIRU	SAFE	PJSM	P	PJSM WITH BUTCH'S RIG CREWS OXY DSM'S AND SAFETY GUYS
8:00	12:00	4.00	01MIRU	LOCMOV	MOVE	P	RIG DOWN RIG FLOOR, BUTCH'S MOVING MISC. MATERIALS WHILE RIGGING DOWN CONTINUES. GAS BUSTER. CHOKE LINE, MUD TANKS, PRE-MIX TANKS,FRAC TANKS,WATER TANK
12:00	16:00	4.00	01MIRU	LOCMOV	MOVE	P	MOVE MUD PUMPS, LOAD MATTING BOARDS, SUITCASES, TRANSFER PUMPS, WAIT ON NABORS SUPERINTENDENT TO SQUAT SUB, SQUAT SUB SAFETY BREAK HELD ON MAKING CERTAIN PALLETS USED FOR ANYTHING ARE SUITABLE.
16:00	19:00	3.00	01MIRU	LOCMOV	MOVE	P	LAY DERRICK OVER. @ 1600 LAY OVER A-LEGS, UN SPOOL DRAWWORKS HANG LINES IN DERRICK UN PIN DERRICK FROM FLOOR AND SET ON GROUND, UNHOOK DRAWWORKS,
19:00	0:00	5.00	01MIRU	WAIT	SDN	PT	WAIT ON DAYLIGHTS
Total Time		24.00					

Safety Incident?	N	**Days since Last RI:**	229.00
Environ Incident?	N	**Days since Last LTA:**	259.00

Incident Comments:
No incidents reported last 24 hours.

Weather Comments:

Other Remarks:

From the Intersection of Highway 385 and Highway 176 in Andrews, Texas, drive 2.1 miles East on Highway 176 to intersection of Highway 176 and Highway 115. Turn left (Northeast) on Highway 115. From intersection of Highway 115 and Highway 176, drive 6.75 miles Northeast on Highway 115. At intersection of Highway 115 and FM 1788, turn right (South) onto FM 1788. Drive 1.25 miles and turn right (West) onto lease road. Drive 0.9 miles on lease road and arrive at University Caitlyn # 2. From University Caitlyn # 2, drive South on lease road for 0.2 miles and arrive at University Caitlin # 5.

LIFE FLIGHT COORDINATES: LAT- 32º21'36.02"N, LONG- 102º25'35.57"W NAD 27 (X: 479,296.51' , Y: 287,904.12')

FLIGHT FOR LIFE 432-570-4892
ARE FLIGHT 877-730-0009

OXY DSM TRAILER: 281-833-2448

MORNING CREW SHORT: 0
NIGHT CREW SHORT: 0
NIGHT PUSHER: YES

TOTAL RIG NPT TIME FOR MONTH OF AUGUST 2012 = 24.5 HOURS

ACCIDENTS / INCIDENTS REPORTED LAST 24 HRS: NONE
DAYS WORKED WITH NO LTI: 257
DAYS WORKED WITH NO RI: 227

TOTAL DAILY STOP CARDS: 12
TOTAL SWA'S:4
TOTAL DAILY NEAR MISSES: 0

TOTAL DAILY JSA'S REVIEWED:15
TOTAL DAILY SAFETY MEETINGS:
LOTO:12
TOTAL DAILY PERMITS TO WORK: 0

POWER LINE CHECK LIST: 1
PRE SPUD / RIG INSPECTIONS: 0

BEST STOP CARD: OBSERVED THIRD PARTY EMPLOYEE WORKING ABOVE 4' NOT TIED OFF STOPPED THE JOB EXPLAINED HAZARDS EMPLOYEE COMPLIED JOB CONTINUED SAFELY

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/16/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	3

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	NABORS 711	**Ref Datum:**	Original KB @3,068.70ft	**DFS:**	0.00
Today's MD:		**Progress:**		**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$189,661
Prev MD:		**Rot Hrs Today:**	0.00 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$223,561
PBMD:		**Avg ROP Today:**	0.0 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,224,234

Current Formation: @ **Lithology:**

Current Ops:

24-Hr Summary: WAIT ON DAYLIGT; MOVE FROM CAITLIN 5 TO RUBY GRACE 5; RIG UP AND SPOT DRK ON FLOOR

24-Hr Forecast: (RR 8/30/2012 ROL 9/2/2012) CONTINUE RIG UP

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:		**Str Wt Up/Dn:**	/	**Pump Rate:**	0.0	**Conn:**		
Next Casing:		**Str Wt Rot:**		**Pump Press:**	0	**Trip:**		
Last BOP Press Test:		**Torq Off Btm:**				**Backgr:**		
Form Test/EMW:		**Torq On Btm:**						

PERSONNEL	
Supervisor 1:	BEN SWINNEY
Supervisor 2:	ED KITCHEN
Engineer:	KEVIN THREADGILL
Geologist:	
Oxy Personnel:	2
Contractor Personnel:	26
Total on Site:	28

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
									- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI

MUD DATA - M-I SWACO

Engineer:	Brandon Smith	**MBT:**	0.0 lbm/bbl
Sample From:	In	**pH:**	8.0
Mud Type:	Spud Mud	**Pm / Pom:**	0.00
Time / MD:	18:16 / 60.0	**Pf / Mf:**	0.1 / 0.3
Density @ Temp:	8.40 / 80	**Chlorides:**	400
Rheology Temp:	120	**Ca+ / K+:**	320 / 0
Viscosity:	26.00	**CaCl2:**	0.00
PV / YP:	1 / 1	**Clom:**	0.59
Gels 10s/10m/30m:	1 / 1 / 1	**Lime:**	0.00
API WL:	45.00	**ES:**	100.20
HTHP WL:	0.00	**ECD:**	0.00
Cake API / HTHP:	1.0 / .0	**n / K:**	0.00 / 0.000
Solids / Sol Corr:	0.00 / 0.00	**Carbonate:**	2 ppm
Oil / Water:	0.0 / 0.0	**Bicarbonate:**	0 ppm
Sand:	0.00	**Form Loss:**	0.0 / 0.0
Water Added:	0.0 bbl	**Fluid Disch:**	/
Oil Added:	0.0 bbl		
LGS:	0.20 / 2.20		

VG Meter: 1@3 / 1@6 / 1@100 / 1@200 / 2@300 / 3@600

Comments: 0

LAST OR CURRENT BHA

Component	OD	ID	Jts	Length

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Engineering Service	Each	1.00
Premix Pit	each	1.00

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/16/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	3

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	7:00	7.00	01MIRU	WAIT	SDN	PT	WAIT ON DAYLIGHT
7:00	7:30	0.50	01MIRU	SAFE	PJSM	P	HOLD PJSM WITH BUTCH'S TRUCKING, NABORS PERSONNEL, OXY DSM'S
7:30	11:30	4.00	01MIRU	LOCMOV	MOVE	P	SPLIT DERRICK; HANG BLOCKS; LOAD DERRICK ON TRUCKS; TAKE MUFFLERS OFF GENERATOR HOUSES; TRANSPORT GENERATORS TO RUBY GRACE 11 AND SET
11:30	16:00	4.50	01MIRU	LOCMOV	MOVE	P	LOAD SUB ONTO LOW BOY; LOAD MATTING BOARDS; TRANSPORT SUB AND LOADS FROM CAITLIN 5 TO RUBY GRACE 11
16:00	21:00	5.00	01MIRU	LOCMOV	RU	P	SET SUB AND MATTING BOARDS ON RUBY GRACE 11; CHANGE OUT BRIDLE LINE; SET DERRICK ON FLOOR; RAISE A-LEGS; PUT FAST LINE ON DRUM; CONTINUE RIGGING UP ELECTRICAL LINES
21:00	0:00	3.00	01MIRU	LOCMOV	RU	PT	WAIT ON DAYLIGHT
Total Time		24.00					

Safety Incident?	N	**Days since Last RI:**	230.00
Environ Incident?	N	**Days since Last LTA:**	260.00

Incident Comments:
No incidents reported last 24 hours.

Weather Comments:

Other Remarks:

From the Intersection of Highway 385 and Highway 176 in Andrews, Texas, drive 2.1 miles East on Highway 176 to intersection of Highway 176 and Highway 115. Turn left (Northeast) on Highway 115. From intersection of Highway 115 and Highway 176, drive 6.75 miles Northeast on Highway 115. At intersection of Highway 115 and FM 1788, turn right (South) onto FM 1788. Drive 1.25 miles and turn right (West) onto lease road. Drive 0.9 miles on lease road and arrive at University Caitlyn # 2. From University Caitlyn # 2, drive South on lease road for 0.2 miles and arrive at University Caitlin # 5.

LIFE FLIGHT COORDINATES: LAT- 32º21'36.02"N, LONG- 102º25'35.57"W NAD 27 (X: 479,296.51' , Y: 287,904.12')

FLIGHT FOR LIFE 432-570-4892
ARE FLIGHT 877-730-0009

OXY DSM TRAILER: 281-833-2448

MORNING CREW SHORT: 0
NIGHT CREW SHORT: 0
NIGHT PUSHER: YES

TOTAL RIG NPT TIME FOR MONTH OF AUGUST 2012 = 31.5 HOURS

ACCIDENTS / INCIDENTS REPORTED LAST 24 HRS: NONE
DAYS WORKED WITH NO LTI: 260
DAYS WORKED WITH NO RI: 230

TOTAL DAILY STOP CARDS: 12
TOTAL SWA'S:4
TOTAL DAILY NEAR MISSES: 0

TOTAL DAILY JSA'S REVIEWED:15
TOTAL DAILY SAFETY MEETINGS:
LOTO:12
TOTAL DAILY PERMITS TO WORK: 0

POWER LINE CHECK LIST: 1
PRE SPUD / RIG INSPECTIONS: 0

BEST STOP CARD: HAND WAS MOVING MAN BASKET WITHOUT SPOTTER. STOPPED MOVEMENT UNTIL SPOTTER WAS LOCATED

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/17/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	4

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	NABORS 711	**Ref Datum:**	Original KB @3,068.70ft	**DFS:**	0.00
Today's MD:	60 ft	**Progress:**		**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$21,157
Prev MD:		**Rot Hrs Today:**	0.00 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$244,718
PBMD:		**Avg ROP Today:**	0.0 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,224,234

Current Formation: @ **Lithology:**

Current Ops:

24-Hr Summary: WAIT ON DAYLIGHT; RAISE DERRICK; RAISE SUB; RIG UP; INSPECT DRAWWORKS

24-Hr Forecast: (RR 8/30/2012 ROL 9/2/2012)DRAWWORKS BEING WORKED ON.

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:		**Str Wt Up/Dn:**	/	**Pump Rate:**	0.0	**Conn:**		
Next Casing:		**Str Wt Rot:**		**Pump Press:**	0	**Trip:**		
Last BOP Press Test:		**Torq Off Btm:**				**Backgr:**		
Form Test/EMW:		**Torq On Btm:**						

PERSONNEL	
Supervisor 1:	BEN SWINNEY
Supervisor 2:	ED KITCHEN
Engineer:	KEVIN THREADGILL
Geologist:	
Oxy Personnel:	3
Contractor Personnel:	18
Total on Site:	21

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
									- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI

MUD DATA - M-I SWACO

Engineer:	Brandon Smith	**MBT:**	0.0 lbm/bbl
Sample From:	In	**pH:**	8.0
Mud Type:	Spud Mud	**Pm / Pom:**	0.00
Time / MD:	14:34 / 60.0	**Pf / Mf:**	0.1 / 0.3
Density @ Temp:	8.40 / 80	**Chlorides:**	400
Rheology Temp:	120	**Ca+ / K+:**	320 / 0
Viscosity:	26.00	**CaCl2:**	0.00
PV / YP:	1 / 1	**Clom:**	0.59
Gels 10s/10m/30m:	1 / 1 / 1	**Lime:**	0.00
API WL:	45.00	**ES:**	100.20
HTHP WL:	0.00	**ECD:**	0.00
Cake API / HTHP:	1.0 / .0	**n / K:**	0.00 / 0.000
Solids / Sol Corr:	0.00 / 0.00	**Carbonate:**	2 ppm
Oil / Water:	0.0 / 0.0	**Bicarbonate:**	0 ppm
Sand:	0.00	**Form Loss:**	0.0 / 0.0
Water Added:	0.0 bbl	**Fluid Disch:**	/
Oil Added:	0.0 bbl		
LGS:	0.20 / 2.20		

VG Meter: 1@3 / 1@6 / 1@100 / 1@200 / 2@300 / 3@600

Comments: 0

LAST OR CURRENT BHA

Component	OD	ID	Jts	Length

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Engineering Service	Each	1.00
Premix Pit	each	1.00

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING — STATE RUBY GRACE 11 — **Date:** 08/17/2012

Prim. Reason: ORIG DRILL VERT — USA — **Report No:** 4

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	7:00	7.00	01MIRU	LOCMOV	RU	PT	WAIT ON DAYLIGHT
7:00	7:30	0.50	01MIRU	SAFE	PJSM	P	PJSM WITH NABORS PERSONNELL;OXY DSM'S; BUTCH'S TRUCKING
7:30	13:30	6.00	01MIRU	LOCMOV	RU	P	RAISE A-LEGS;SPOOL LINE ON DRUM; INSTALL DEAD LINE; INSTALL BOARD; DRESS OUT DERRICK; CHANGE OUT UNIONS ON VIBRATING HOSES; RAISE DERRICK
13:30	18:30	5.00	01MIRU	LOCMOV	RU	P	CONTINUE RIGGING UP WAIT ON NABORS SUP. BUTCH DOMINGUEZ 2 HRS TO RAISE SUB,RAISE SUB CONTINUE RIGGING UP BACK YARD AND RIG FLOOR .
18:30	20:30	2.00	01MIRU	LOCMOV	RU	P	RIG UP RIG FLOOR AND CONTINUE RIGGING UP MISC. (INSPECT DRAWWORKS. DRAWWORKS INSPECTION REVEALED JACK SHAFT BEARING BAD,BEARINGS IN THIRD GEAR BAD, BRAKE LINKAGE BAD, RIG IS OFF FULL MOVE RATE AS OF 20:30 HRS 8/17/2012
20:30	0:00	3.50	01MIRU	RIGMT	REP	PT	WAITING ON DAYLIGHT AND DRAWWORK REPAIR
Total Time		24.00					

Safety Incident? N — **Days since Last RI:** 231.00

Environ Incident? N — **Days since Last LTA:** 261.00

Incident Comments:
No incidents reported last 24 hours.

Weather Comments:

Other Remarks:

From the Intersection of Highway 385 and Highway 176 in Andrews, Texas, drive 2.1 miles East on Highway 176 to intersection of Highway 176 and Highway 115. Turn left (Northeast) on Highway 115. From intersection of Highway 115 and Highway 176, drive 6.75 miles Northeast on Highway 115. At intersection of Highway 115 and FM 1788, turn right (South) onto FM 1788. Drive 1.25 miles and turn right (West) onto lease road. Drive 0.9 miles on lease road and arrive at University Caitlyn # 2. From University Caitlyn # 2, drive South on lease road for 0.2 miles and arrive at University Caitlin # 5.

LIFE FLIGHT COORDINATES: LAT- 32º21'36.02"N, LONG- 102º25'35.57"W NAD 27 (X: 479,296.51' , Y: 287,904.12')

FLIGHT FOR LIFE 432-570-4892
ARE FLIGHT 877-730-0009

OXY DSM TRAILER: 281-833-2448

MORNING CREW SHORT: 0
NIGHT CREW SHORT: 0
NIGHT PUSHER: YES

TOTAL RIG NPT TIME FOR MONTH OF AUGUST 2012 = 31.5 HOURS

ACCIDENTS / INCIDENTS REPORTED LAST 24 HRS: NONE
DAYS WORKED WITH NO LTI: 261
DAYS WORKED WITH NO RI: 231

TOTAL DAILY STOP CARDS: 12
TOTAL SWA'S:2
TOTAL DAILY NEAR MISSES: 0

TOTAL DAILY JSA'S REVIEWED:16
TOTAL DAILY SAFETY MEETINGS: 12
LOTO:4
TOTAL DAILY PERMITS TO WORK: 2

POWER LINE CHECK LIST: 1
PRE SPUD / RIG INSPECTIONS: 0

BEST STOP CARD:

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/18/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	5

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	NABORS 711	**Ref Datum:**	Original KB @3,068.70ft	**DFS:**	0.00
Today's MD:	60 ft	**Progress:**	0 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$5,300
Prev MD:	60 ft	**Rot Hrs Today:**	0.00 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$250,018
PBMD:		**Avg ROP Today:**	0.0 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,224,234

Current Formation: @ **Lithology:**

Current Ops:

24-Hr Summary: WAIT ON DAYLIGHT TO SET DRAWWORKS OFF FLOOR; SET DRAWWORKS OFF FLOOR AND STRIP FOR REPAIRS

24-Hr Forecast: (RR 8/30/2012 ROL 9/2/2012)DRAWWORKS BEING WORKED ON.

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:		**Str Wt Up/Dn:**	/	**Pump Rate:**	0.0	**Conn:**		
Next Casing:		**Str Wt Rot:**		**Pump Press:**	0	**Trip:**		
Last BOP Press Test:		**Torq Off Btm:**				**Backgr:**		
Form Test/EMW:		**Torq On Btm:**						

PERSONNEL

Supervisor 1:	BEN SWINNEY
Supervisor 2:	ED KITCHEN
Engineer:	KEVIN THREADGILL
Geologist:	
Oxy Personnel:	2
Contractor Personnel:	21
Total on Site:	23

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
									- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI

MUD DATA - M-I SWACO

Engineer:	Brandon Smith	**MBT:**	0.0 lbm/bbl
Sample From:	In	**pH:**	8.0
Mud Type:	Spud Mud	**Pm / Pom:**	0.00
Time / MD:	19:20 / 60.0	**Pf / Mf:**	0.1 / 0.3
Density @ Temp:	8.40 / 80	**Chlorides:**	400
Rheology Temp:	120	**Ca+ / K+:**	320 / 0
Viscosity:	26.00	**CaCl2:**	0.00
PV / YP:	1 / 1	**Clom:**	0.59
Gels 10s/10m/30m:	1 / 1 / 1	**Lime:**	0.00
API WL:	45.00	**ES:**	100.20
HTHP WL:	0.00	**ECD:**	0.00
Cake API / HTHP:	1.0 / .0	**n / K:**	0.00 / 0.000
Solids / Sol Corr:	0.00 / 0.00	**Carbonate:**	2 ppm
Oil / Water:	0.0 / 0.0	**Bicarbonate:**	0 ppm
Sand:	0.00	**Form Loss:**	0.0 / 0.0
Water Added:	0.0 bbl	**Fluid Disch:**	/
Oil Added:	0.0 bbl		
LGS:	0.20 / 2.20		

VG Meter: 1@3 / 1@6 / 1@100 / 1@200 / 2@300 / 3@600

Comments: 0

LAST OR CURRENT BHA

Component	OD	ID	Jts	Length

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Engineering Service	Each	1.00
Premix Pit	each	1.00

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/18/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	5

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	6:00	6.00	01MIRU	RIGMT	REP	PT	WAIT ON DAYLIGHT AND DRAWWORK REPAIR
6:00	8:00	2.00	01MIRU	RIGMT	REP	PT	RIG DOWN DRAWWORKS
8:00	11:00	3.00	01MIRU	RIGMT	REP	PT	PJSM WITH CRANE CREW AND RIG CREW. LIFT DRAWWORKS OFF FLOOR AND SET ON GRPUND
11:00	18:00	7.00	01MIRU	RIGMT	REP	PT	TAKE ALL COMPONENTS THAT NEED REPLACED ON DRAWWORKS LOAD ON TRUCK AND SEND TO SENTRY IN ODESSA . ESTIMATED DAY OF SPUD 8/21/2012
18:00	0:00	6.00	01MIRU	RIGMT	REP	PT	WAIT ON DRAWWORKS REPAIR, CLEAN RIG
Total Time		24.00					

Safety Incident?	N	**Days since Last RI:**	232.00	**Weather Comments:**
Environ Incident?	N	**Days since Last LTA:**	262.00	

Incident Comments:
No incidents reported last 24 hours.

Other Remarks:

From the Intersection of Highway 385 and Highway 176 in Andrews, Texas, drive 2.1 miles East on Highway 176 to intersection of Highway 176 and Highway 115. Turn left (Northeast) on Highway 115. From intersection of Highway 115 and Highway 176, drive 6.75 miles Northeast on Highway 115. At intersection of Highway 115 and FM 1788, turn right (South) onto FM 1788. Drive 1.25 miles and turn right (West) onto lease road. Drive 0.9 miles on lease road and arrive at University Caitlyn # 2. From University Caitlyn # 2, drive South on lease road for 0.2 miles and arrive at University Caitlin # 5.

LIFE FLIGHT COORDINATES: LAT- 32º21'36.02"N, LONG- 102º25'35.57"W NAD 27 (X: 479,296.51' , Y: 287,904.12')

FLIGHT FOR LIFE 432-570-4892
ARE FLIGHT 877-730-0009

OXY DSM TRAILER: 281-833-2448

MORNING CREW SHORT: 0
NIGHT CREW SHORT: 0
NIGHT PUSHER: YES

TOTAL RIG NPT TIME FOR MONTH OF AUGUST 2012 = 31.5 HOURS

ACCIDENTS / INCIDENTS REPORTED LAST 24 HRS: NONE
DAYS WORKED WITH NO LTI: 262
DAYS WORKED WITH NO RI: 232

TOTAL DAILY STOP CARDS: 8
TOTAL SWA'S:1
TOTAL DAILY NEAR MISSES: 0

TOTAL DAILY JSA'S REVIEWED: 9
TOTAL DAILY SAFETY MEETINGS: 6
LOTO:2
TOTAL DAILY PERMITS TO WORK: 1

POWER LINE CHECK LIST: 0
PRE SPUD / RIG INSPECTIONS: 0

BEST STOP CARD: HAND LEFT TOOLS ON DRAWWORKS WHEN DRAWWORKS WAS BEING LOWERED BY CRANE FOR REPAIRS. POINTED OUT NEED TO MOVE TOOLS AND THEY WERE MOVED.

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/19/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	6

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	NABORS 711	**Ref Datum:**	Original KB @3,068.70ft	**DFS:**	0.00
Today's MD:	60 ft	**Progress:**	0 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$5,300
Prev MD:	60 ft	**Rot Hrs Today:**	0.00 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$255,317
PBMD:		**Avg ROP Today:**	0.0 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,224,234

Current Formation: @ **Lithology:**

Current Ops:

24-Hr Summary: WAIT ON DRAWWORKS REPAIR, CLEAN RIG

24-Hr Forecast: (RR 8/30/2012 ROL 9/2/2012)DRAWWORKS BEING WORKED ON.

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:		**Str Wt Up/Dn:**	/	**Pump Rate:**	0.0	**Conn:**		
Next Casing:		**Str Wt Rot:**		**Pump Press:**	0	**Trip:**		
Last BOP Press Test:		**Torq Off Btm:**				**Backgr:**		
Form Test/EMW:		**Torq On Btm:**						

PERSONNEL	
Supervisor 1:	BEN SWINNEY
Supervisor 2:	ED KITCHEN
Engineer:	KEVIN THREADGILL
Geologist:	
Oxy Personnel:	2
Contractor Personnel:	15
Total on Site:	17

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
									- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI

MUD DATA - M-I SWACO

Engineer:	Brandon Smith	**MBT:**	0.0 lbm/bbl
Sample From:	In	**pH:**	8.0
Mud Type:	Spud Mud	**Pm / Pom:**	0.00
Time / MD:	20:54 / 60.0	**Pf / Mf:**	0.1 / 0.3
Density @ Temp:	8.40 / 80	**Chlorides:**	400
Rheology Temp:	120	**Ca+ / K+:**	320 / 0
Viscosity:	26.00	**CaCl2:**	0.00
PV / YP:	1 / 1	**Clom:**	0.59
Gels 10s/10m/30m:	1 / 1 / 1	**Lime:**	0.00
API WL:	45.00	**ES:**	100.20
HTHP WL:	0.00	**ECD:**	0.00
Cake API / HTHP:	1.0 / .0	**n / K:**	0.00 / 0.000
Solids / Sol Corr:	0.00 / 0.00	**Carbonate:**	2 ppm
Oil / Water:	0.0 / 0.0	**Bicarbonate:**	0 ppm
Sand:	0.00	**Form Loss:**	0.0 / 0.0
Water Added:	0.0 bbl	**Fluid Disch:**	/
Oil Added:	0.0 bbl		
LGS:	0.20 / 2.20		

VG Meter: 1@3 / 1@6 / 1@100 / 1@200 / 2@300 / 3@600

Comments: 0

LAST OR CURRENT BHA

Component	OD	ID	Jts	Length

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Engineering Service	Each	1.00
Premix Pit	each	1.00

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/19/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	6

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	6:00	6.00	01MIRU	RIGMT	REP	PT	WAIT ON DRAWWORKS REPAIR, CLEAN RIG
6:00	18:00	12.00	01MIRU	RIGMT	REP	PT	WAIT ON DRAWWORKS REPAIR, CLEAN RIG
18:00	0:00	6.00	01MIRU	RIGMT	REP	PT	WAIT ON DRAWWORKS REPAIR, CLEAN RIG
Total Time		24.00					

Safety Incident?	N	**Days since Last RI:**	233.00
Environ Incident?	N	**Days since Last LTA:**	263.00

Incident Comments:
No incidents reported last 24 hours.

Weather Comments:

Other Remarks:

From the Intersection of Highway 385 and Highway 176 in Andrews, Texas, drive 2.1 miles East on Highway 176 to intersection of Highway 176 and Highway 115. Turn left (Northeast) on Highway 115. From intersection of Highway 115 and Highway 176, drive 6.75 miles Northeast on Highway 115. At intersection of Highway 115 and FM 1788, turn right (South) onto FM 1788. Drive 1.25 miles and turn right (West) onto lease road. Drive 0.9 miles on lease road and arrive at University Caitlyn # 2. From University Caitlyn # 2, drive South on lease road for 0.2 miles and arrive at University Caitlin # 5.

LIFE FLIGHT COORDINATES: LAT- 32º21'36.02"N, LONG- 102º25'35.57"W NAD 27 (X: 479,296.51' , Y: 287,904.12')

FLIGHT FOR LIFE 432-570-4892
ARE FLIGHT 877-730-0009

OXY DSM TRAILER: 281-833-2448

MORNING CREW SHORT: 0
NIGHT CREW SHORT: 0
NIGHT PUSHER: YES

TOTAL RIG NPT TIME FOR MONTH OF AUGUST 2012 = 31.5 HOURS

ACCIDENTS / INCIDENTS REPORTED LAST 24 HRS: NONE
DAYS WORKED WITH NO LTI: 263
DAYS WORKED WITH NO RI: 233

TOTAL DAILY STOP CARDS: 8
TOTAL SWA'S:1
TOTAL DAILY NEAR MISSES: 0

TOTAL DAILY JSA'S REVIEWED: 10
TOTAL DAILY SAFETY MEETINGS: 8
LOTO:0
TOTAL DAILY PERMITS TO WORK: 0

POWER LINE CHECK LIST: 0
PRE SPUD / RIG INSPECTIONS: 0

BEST STOP CARD: SAW FORK LIFT OPERATOR BEGIN TO PICK LOAD OUT OF JUNK BASKET BEFORE HAND WAS CLEAR. HE WAS MOTIONED TO STOP AND DID UNTIL HAND WAS CLEAR. JOB CONTINUED WITHOUT INCIDENT.

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/20/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	7

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	NABORS 711	**Ref Datum:**	Original KB @3,068.70ft	**DFS:**	0.00
Today's MD:	60 ft	**Progress:**	0 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$5,300
Prev MD:	60 ft	**Rot Hrs Today:**	0.00 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$260,617
PBMD:		**Avg ROP Today:**	0.0 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,224,234

Current Formation: @ **Lithology:**

Current Ops:

24-Hr Summary: WAIT ON DRAWWORKS REPAIR, CLEAN RIG

24-Hr Forecast: (RR 8/30/2012 ROL 9/2/2012)DRAWWORKS BEING WORKED ON.

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:		**Str Wt Up/Dn:**	/	**Pump Rate:**	0.0	**Conn:**		
Next Casing:		**Str Wt Rot:**		**Pump Press:**	0	**Trip:**		
Last BOP Press Test:		**Torq Off Btm:**				**Backgr:**		
Form Test/EMW:		**Torq On Btm:**						

PERSONNEL	
Supervisor 1:	BEN SWINNEY
Supervisor 2:	ED KITCHEN
Engineer:	KEVIN THREADGILL
Geologist:	
Oxy Personnel:	2
Contractor Personnel:	15
Total on Site:	17

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
									- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI

MUD DATA - M-I SWACO

Engineer:	Brandon Smith	**MBT:**	0.0 lbm/bbl
Sample From:	In	**pH:**	8.0
Mud Type:	Spud Mud	**Pm / Pom:**	0.00
Time / MD:	19:58 / 60.0	**Pf / Mf:**	0.1 / 0.3
Density @ Temp:	8.40 / 80	**Chlorides:**	400
Rheology Temp:	120	**Ca+ / K+:**	320 / 0
Viscosity:	26.00	**CaCl2:**	0.00
PV / YP:	1 / 1	**Clom:**	0.59
Gels 10s/10m/30m:	1 / 1 / 1	**Lime:**	0.00
API WL:	45.00	**ES:**	100.20
HTHP WL:	0.00	**ECD:**	0.00
Cake API / HTHP:	1.0 / .0	**n / K:**	0.00 / 0.000
Solids / Sol Corr:	0.00 / 0.00	**Carbonate:**	2 ppm
Oil / Water:	0.0 / 0.0	**Bicarbonate:**	0 ppm
Sand:	0.00	**Form Loss:**	0.0 / 0.0
Water Added:	0.0 bbl	**Fluid Disch:**	/
Oil Added:	0.0 bbl		
LGS:	0.20 / 2.20		

VG Meter: 1@3 / 1@6 / 1@100 / 1@200 / 2@300 / 3@600

Comments: 0

LAST OR CURRENT BHA

Component	OD	ID	Jts	Length

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Engineering Service	Each	1.00
Premix Pit	each	1.00

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/20/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	7

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	6:00	6.00	01MIRU	RIGMT	REP	PT	WAIT ON DRAWWORKS REPAIR, CLEAN RIG
6:00	18:00	12.00	01MIRU	RIGMT	REP	PT	WAIT ON DRAWWORKS REPAIR, CLEAN RIG
18:00	0:00	6.00	01MIRU	RIGMT	REP	PT	WAIT ON DRAWWORKS REPAIR, CLEAN RIG
Total Time		24.00					

Safety Incident?	N	**Days since Last RI:**	234.00
Environ Incident?	N	**Days since Last LTA:**	264.00

Incident Comments:
No incidents reported last 24 hours.

Weather Comments:

Other Remarks:

From the Intersection of Highway 385 and Highway 176 in Andrews, Texas, drive 2.1 miles East on Highway 176 to intersection of Highway 176 and Highway 115. Turn left (Northeast) on Highway 115. From intersection of Highway 115 and Highway 176, drive 6.75 miles Northeast on Highway 115. At intersection of Highway 115 and FM 1788, turn left (North) onto FM 1788. Drive 1.25 miles and turn right (East) onto lease road. Drive 0.5 miles on lease road trun South for 0.5 miles then east for 0.5 miles then north into location.

LIFE FLIGHT COORDINATES: LAT- 32º23'47.78"N, LONG- 102º24'31.10"W NAD 27 (X: 485,442.39' , Y: 300,944.80')

FLIGHT FOR LIFE 432-570-4892
ARE FLIGHT 877-730-0009

OXY DSM TRAILER: 281-833-2448

MORNING CREW SHORT: 0
NIGHT CREW SHORT: 1
NIGHT PUSHER: YES

TOTAL RIG NPT TIME FOR MONTH OF AUGUST 2012 = 31.5 HOURS
TOTAL NPT FOR RUBY GRACE #11- 51.5

ACCIDENTS / INCIDENTS REPORTED LAST 24 HRS: NONE
DAYS WORKED WITH NO LTI: 264
DAYS WORKED WITH NO RI: 234

TOTAL DAILY STOP CARDS: 8
TOTAL SWA'S:09
TOTAL DAILY NEAR MISSES: 0

TOTAL DAILY JSA'S REVIEWED: 8
TOTAL DAILY SAFETY MEETINGS: 8
LOTO:0
TOTAL DAILY PERMITS TO WORK: 0

POWER LINE CHECK LIST: 0
PRE SPUD / RIG INSPECTIONS: 0

BEST STOP CARD: HAND WAS PRESSURE WASHING FROM MAN BASKET WITHOUT PAYING ATTENTION TO HOSE PLACEMENT AND ABOUT RAN OVER HOSE WHILE MOVING MAN BASKET. POINTED OUT HOW HOSE COULD BE TANGLED UP AND HE MOVED IT. JOB CONTINUED WITHOUT INCIDENT.

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/21/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	8

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	NABORS 711	**Ref Datum:**	Original KB @3,068.70ft	**DFS:**	
Today's MD:	60 ft	**Progress:**	0 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$5,300
Prev MD:	60 ft	**Rot Hrs Today:**		**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$265,917
PBMD:		**Avg ROP Today:**	0.0 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,224,234

Current Formation: @ **Lithology:**

Current Ops:

24-Hr Summary: WAIT ON DRAWWORKS REPAIR, CLEAN RIG

24-Hr Forecast: (EST. SPUD DATE 8/28/2012 RR 9-12-12 ROL 9-13-12)WAIT ON DRAWWORKS REPAIR, CLEAN RIG

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:		**Str Wt Up/Dn:**	/	**Pump Rate:**	0.0	**Conn:**		
Next Casing:		**Str Wt Rot:**		**Pump Press:**	0	**Trip:**		
Last BOP Press Test:		**Torq Off Btm:**				**Backgr:**		
Form Test/EMW:		**Torq On Btm:**						

PERSONNEL	
Supervisor 1:	BEN SWINNEY
Supervisor 2:	ED KITCHEN
Engineer:	KEVIN THREADGILL
Geologist:	
Oxy Personnel:	2
Contractor Personnel:	15
Total on Site:	17

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
									- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI

MUD DATA -

Engineer:		**MBT:**	
Sample From:		**pH:**	
Mud Type:		**Pm / Pom:**	
Time / MD:	/	**Pf / Mf:**	/
Density @ Temp:	/	**Chlorides:**	
Rheology Temp:		**Ca+ / K+:**	/
Viscosity:		**CaCl2:**	
PV / YP:	/	**Clom:**	
Gels 10s/10m/30m:	/ /	**Lime:**	
API WL:		**ES:**	
HTHP WL:		**ECD:**	
Cake API / HTHP:	/	**n / K:**	/
Solids / Sol Corr:	/	**Carbonate:**	
Oil / Water:	/	**Bicarbonate:**	
Sand:		**Form Loss:**	0.0 / 0.0
Water Added:		**Fluid Disch:**	/
Oil Added:			
LGS:	/		

VG Meter:

Comments:

LAST OR CURRENT BHA

Component	OD	ID	Jts	Length

MUD PRODUCTS

Product	Units	Qty Used

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/21/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	8

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	6:00	6.00	01MIRU	RIGMT	REP	PT	WAIT ON DRAWWORKS REPAIR, CLEAN RIG
6:00	18:00	12.00	01MIRU	RIGMT	REP	PT	WAIT ON DRAWWORKS REPAIR, CLEAN RIG
18:00	0:00	6.00	01MIRU	RIGMT	REP	PT	WAIT ON DRAWWORKS REPAIR, CLEAN RIG
Total Time		24.00					

Safety Incident?	N	**Days since Last RI:**	235.00
Environ Incident?	N	**Days since Last LTA:**	265.00

Incident Comments:
No incidents reported last 24 hours.

Weather Comments:

Other Remarks:

From the Intersection of Highway 385 and Highway 176 in Andrews, Texas, drive 2.1 miles East on Highway 176 to intersection of Highway 176 and Highway 115. Turn left (Northeast) on Highway 115. From intersection of Highway 115 and Highway 176, drive 6.75 miles Northeast on Highway 115. At intersection of Highway 115 and FM 1788, turn left (North) onto FM 1788. Drive 1.25 miles and turn right (East) onto lease road. Drive 0.5 miles on lease road trun South for 0.5 miles then east for 0.5 miles then north into location.

LIFE FLIGHT COORDINATES: LAT- 32º23'47.78"N, LONG- 102º24'31.10"W NAD 27 (X: 485,442.39' , Y: 300,944.80')

FLIGHT FOR LIFE 432-570-4892
ARE FLIGHT 877-730-0009

OXY DSM TRAILER: 281-833-2448

MORNING CREW SHORT: 0
NIGHT CREW SHORT: 1
NIGHT PUSHER: YES

TOTAL RIG NPT TIME FOR MONTH OF AUGUST 2012 = 137 HOURS
TOTAL NPT FOR RUBY GRACE #11- 105.5

ACCIDENTS / INCIDENTS REPORTED LAST 24 HRS: NONE
DAYS WORKED WITH NO LTI: 265
DAYS WORKED WITH NO RI: 235

TOTAL DAILY STOP CARDS: 7
TOTAL SWA'S:0
TOTAL DAILY NEAR MISSES: 0

TOTAL DAILY JSA'S REVIEWED: 8
TOTAL DAILY SAFETY MEETINGS: 7
LOTO:0
TOTAL DAILY PERMITS TO WORK: 0

POWER LINE CHECK LIST: 0
PRE SPUD / RIG INSPECTIONS: 0

BEST STOP CARD: OBSERVED EMPLOYEE NOT USING 3 POINTS OF CONTACT WHILE DECENDING DOWN STAIRWAY
STOPPED EMPLOYEE EXPLAINED THE HAZRDS JOB CONTINUED SAFELY

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/22/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	9

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	NABORS 711	**Ref Datum:**	Original KB @3,068.70ft	**DFS:**	0.00
Today's MD:	60 ft	**Progress:**	0 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$52,694
Prev MD:	60 ft	**Rot Hrs Today:**	0.00 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$318,611
PBMD:		**Avg ROP Today:**	0.0 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,224,234

Current Formation: @ **Lithology:**

Current Ops:

24-Hr Summary: WAIT ON DRAWWORKS REPAIR, CLEAN RIG

24-Hr Forecast: (EST. SPUD DATE 8/28/2012 RR 9-12-12 ROL 9-13-12)WAIT ON DRAWWORKS REPAIR, CLEAN RIG

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:		**Str Wt Up/Dn:**	/	**Pump Rate:**	0.0	**Conn:**		
Next Casing:		**Str Wt Rot:**		**Pump Press:**	0	**Trip:**		
Last BOP Press Test:		**Torq Off Btm:**				**Backgr:**		
Form Test/EMW:		**Torq On Btm:**						

PERSONNEL	
Supervisor 1:	MORRIS HUFF
Supervisor 2:	
Engineer:	KEVIN THREADGILL
Geologist:	
Oxy Personnel:	1
Contractor Personnel:	14
Total on Site:	15

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
									- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI

MUD DATA - M-I SWACO

Engineer:	Brandon Smith	**MBT:**	0.0 lbm/bbl
Sample From:	In	**pH:**	8.0
Mud Type:	Spud Mud	**Pm / Pom:**	0.00
Time / MD:	22:51 / 60.0	**Pf / Mf:**	0.1 / 0.3
Density @ Temp:	8.40 / 80	**Chlorides:**	400
Rheology Temp:	120	**Ca+ / K+:**	320 / 0
Viscosity:	26.00	**CaCl2:**	0.00
PV / YP:	1 / 1	**Clom:**	0.59
Gels 10s/10m/30m:	1 / 1 / 1	**Lime:**	0.00
API WL:	45.00	**ES:**	100.20
HTHP WL:	0.00	**ECD:**	0.00
Cake API / HTHP:	1.0 / .0	**n / K:**	0.00 / 0.000
Solids / Sol Corr:	0.00 / 0.00	**Carbonate:**	2 ppm
Oil / Water:	0.0 / 0.0	**Bicarbonate:**	0 ppm
Sand:	0.00	**Form Loss:**	0.0 / 0.0
Water Added:	0.0 bbl	**Fluid Disch:**	/
Oil Added:	0.0 bbl		
LGS:	0.20 / 2.20		

VG Meter: 1@3 / 1@6 / 1@100 / 1@200 / 2@300 / 3@600

Comments: 0

LAST OR CURRENT BHA

Component	OD	ID	Jts	Length

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Engineering Service	Each	1.00
Premix Pit	each	1.00

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/22/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	9

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	6:00	6.00	01MIRU	RIGMT	REP	PT	WAIT ON DRAWWORKS REPAIR, CLEAN RIG
6:00	18:00	12.00	01MIRU	RIGMT	REP	PT	WAIT ON DRAWWORKS REPAIR, CLEAN RIG
18:00	0:00	6.00	01MIRU	RIGMT	REP	PT	WAIT ON DRAWWORKS REPAIR, CLEAN RIG
Total Time		24.00					

Safety Incident?	N	**Days since Last RI:**	236.00
Environ Incident?	N	**Days since Last LTA:**	266.00

Incident Comments:
No incidents reported last 24 hours.

Weather Comments:

Other Remarks:

From the Intersection of Highway 385 and Highway 176 in Andrews, Texas, drive 2.1 miles East on Highway 176 to intersection of Highway 176 and Highway 115. Turn left (Northeast) on Highway 115. From intersection of Highway 115 and Highway 176, drive 6.75 miles Northeast on Highway 115. At intersection of Highway 115 and FM 1788, turn left (North) onto FM 1788. Drive 1.25 miles and turn right (East) onto lease road. Drive 0.5 miles on lease road trun South for 0.5 miles then east for 0.5 miles then north into location.

LIFE FLIGHT COORDINATES: LAT- 32º23'47.78"N, LONG- 102º24'31.10"W NAD 27 (X: 485,442.39' , Y: 300,944.80')

FLIGHT FOR LIFE 432-570-4892
ARE FLIGHT 877-730-0009

OXY DSM TRAILER: 281-833-2448

MORNING CREW SHORT: 0
NIGHT CREW SHORT: 1
NIGHT PUSHER: YES

TOTAL RIG NPT TIME FOR MONTH OF AUGUST 2012 = 161 HOURS
TOTAL NPT FOR RUBY GRACE #11- 129.5

ACCIDENTS / INCIDENTS REPORTED LAST 24 HRS: NONE
DAYS WORKED WITH NO LTI: 266
DAYS WORKED WITH NO RI: 236

TOTAL DAILY STOP CARDS: 8
TOTAL SWA'S:0
TOTAL DAILY NEAR MISSES: 0

TOTAL DAILY JSA'S REVIEWED: 8
TOTAL DAILY SAFETY MEETINGS: 8
LOTO:0
TOTAL DAILY PERMITS TO WORK: 0

POWER LINE CHECK LIST: 0
PRE SPUD / RIG INSPECTIONS: 0

BEST STOP CARD: OBSERVED EMPLOYEE DRIVING ACROSS LOCATION IN FORKLIFT WITHOUT SEATBELT. STOPPED EMPLOYEE AND EXPLAINED HAZARDS AND POLICY. EMPLOYEE AGREED AND COMPLIED. JOB CONTINUED WITHOUT INCIDENT.

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/23/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	10

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	NABORS 711	**Ref Datum:**	Original KB @3,068.70ft	**DFS:**	0.00
Today's MD:	60 ft	**Progress:**	0 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$3,867
Prev MD:	60 ft	**Rot Hrs Today:**	0.00 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$322,478
PBMD:		**Avg ROP Today:**	0.0 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,224,234

Current Formation: @ **Lithology:**

Current Ops:

24-Hr Summary: WAIT ON DRAWWORKS REPAIR, CLEAN RIG

24-Hr Forecast: (EST. SPUD DATE 8/28/2012 RR 9-12-12 ROL 9-13-12) WAIT ON DRAWWORKS REPAIR, CLEAN RIG

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:		**Str Wt Up/Dn:**	/	**Pump Rate:**	0.0	**Conn:**	0	0
Next Casing:		**Str Wt Rot:**		**Pump Press:**	0	**Trip:**	0	0
Last BOP Press Test:		**Torq Off Btm:**				**Backgr:**	0	0
Form Test/EMW:		**Torq On Btm:**						

PERSONNEL

Supervisor 1:	MORRIS HUFF
Supervisor 2:	
Engineer:	KEVIN THREADGILL
Geologist:	
Oxy Personnel:	1
Contractor Personnel:	17
Total on Site:	18

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
									- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI

MUD DATA - M-I SWACO

Engineer:	Brandon Smith	**MBT:**	0.0 lbm/bbl
Sample From:	In	**pH:**	8.0
Mud Type:	Spud Mud	**Pm / Pom:**	0.00
Time / MD:	9:01 / 60.0	**Pf / Mf:**	0.1 / 0.3
Density @ Temp:	8.40 / 80	**Chlorides:**	400
Rheology Temp:	120	**Ca+ / K+:**	320 / 0
Viscosity:	26.00	**CaCl2:**	0.00
PV / YP:	1 / 1	**Clom:**	0.59
Gels 10s/10m/30m:	1 / 1 / 1	**Lime:**	0.00
API WL:	45.00	**ES:**	100.20
HTHP WL:	0.00	**ECD:**	0.00
Cake API / HTHP:	1.0 / .0	**n / K:**	0.00 / 0.000
Solids / Sol Corr:	0.00 / 0.00	**Carbonate:**	2 ppm
Oil / Water:	0.0 / 0.0	**Bicarbonate:**	0 ppm
Sand:	0.00	**Form Loss:**	0.0 / 0.0
Water Added:	0.0 bbl	**Fluid Disch:**	/
Oil Added:	0.0 bbl		
LGS:	0.20 / 2.20		

VG Meter: 1@3 / 1@6 / 1@100 / 1@200 / 2@300 / 3@600

Comments: 0

LAST OR CURRENT BHA

Component	OD	ID	Jts	Length

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Engineering Service	Each	1.00
Premix Pit	each	1.00

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/23/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	10

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	6:00	6.00	01MIRU	RIGMT	REP	PT	WAIT ON DRAWWORKS REPAIR, CLEAN RIG
6:00	18:00	12.00	01MIRU	RIGMT	REP	PT	WAIT ON DRAWWORKS REPAIR, CLEAN & PAINT RIG
18:00	0:00	6.00	01MIRU	RIGMT	REP	PT	WAIT ON DRAWWORKS REPAIR, CLEAN RIG
Total Time		24.00					

Safety Incident?	N	**Days since Last RI:**	237.00
Environ Incident?	N	**Days since Last LTA:**	267.00

Incident Comments:
No incidents reported last 24 hours.

Weather Comments:

Other Remarks:

From the Intersection of Highway 385 and Highway 176 in Andrews, Texas, drive 2.1 miles East on Highway 176 to intersection of Highway 176 and Highway 115. Turn left (Northeast) on Highway 115. From intersection of Highway 115 and Highway 176, drive 6.75 miles Northeast on Highway 115. At intersection of Highway 115 and FM 1788, turn left (North) onto FM 1788. Drive 1.25 miles and turn right (East) onto lease road. Drive 0.5 miles on lease road trun South for 0.5 miles then east for 0.5 miles then north into location.

LIFE FLIGHT COORDINATES: LAT- 32º23'47.78"N, LONG- 102º24'31.10"W NAD 27 (X: 485,442.39' , Y: 300,944.80')

FLIGHT FOR LIFE 432-570-4892
ARE FLIGHT 877-730-0009

OXY DSM TRAILER: 281-833-2448

MORNING CREW SHORT: 0
NIGHT CREW SHORT: 1
NIGHT PUSHER: YES

TOTAL RIG NPT TIME FOR MONTH OF AUGUST 2012 = 185 HOURS
TOTAL NPT FOR RUBY GRACE #11- 153.5

ACCIDENTS / INCIDENTS REPORTED LAST 24 HRS: NONE
DAYS WORKED WITH NO LTI: 267
DAYS WORKED WITH NO RI: 237

TOTAL DAILY STOP CARDS: 7
TOTAL SWA'S:0
TOTAL DAILY NEAR MISSES: 0

TOTAL DAILY JSA'S REVIEWED: 9
TOTAL DAILY SAFETY MEETINGS: 8
LOTO:0
TOTAL DAILY PERMITS TO WORK: 0

POWER LINE CHECK LIST: 0
PRE SPUD / RIG INSPECTIONS: 0

BEST STOP CARD: OBSERVED EMPLOYEE USING PRESSURE WASHER WITHOUT A FACE SHIELD. STOPPED EMPLOYEE AND EXPLAINED HAZARDS AND POLICY OF PROPER PPE. EMPLOYEE AGREED AND COMPLIED BY USING FACESHIELD. JOB CONTINUED WITHOUT INCIDENT.

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/24/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	11

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	NABORS 711	**Ref Datum:**	Original KB @3,068.70ft	**DFS:**	0.00
Today's MD:	60 ft	**Progress:**	0 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$9,512
Prev MD:	60 ft	**Rot Hrs Today:**	0.00 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$331,989
PBMD:		**Avg ROP Today:**	0.0 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,224,234

Current Formation: @ **Lithology:**

Current Ops:

24-Hr Summary: WAIT ON DRAWWORKS REPAIR,RIG DOWN FOR DEMOB. WAIT ON DRAWWORKS REPAIR & DAYLIGHTS.

24-Hr Forecast: RR 8-27-12 ROL8 -29-12) WAIT ON DRAWWORKS REPAIR, RIG DOWN FOR DEMOB.

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:		**Str Wt Up/Dn:**	/	**Pump Rate:**	0.0	**Conn:**	0	0
Next Casing:		**Str Wt Rot:**		**Pump Press:**	0	**Trip:**	0	0
Last BOP Press Test:		**Torq Off Btm:**				**Backgr:**	0	0
Form Test/EMW:		**Torq On Btm:**						

PERSONNEL

Supervisor 1:	MORRIS HUFF
Supervisor 2:	
Engineer:	KEVIN THREADGILL
Geologist:	
Oxy Personnel:	1
Contractor Personnel:	24
Total on Site:	25

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
									- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI

MUD DATA - M-I SWACO

Engineer:	Brandon Smith	**MBT:**	0.0 lbm/bbl
Sample From:	In	**pH:**	8.0
Mud Type:	Spud Mud	**Pm / Pom:**	0.00
Time / MD:	20:26 / 60.0	**Pf / Mf:**	0.1 / 0.3
Density @ Temp:	8.40 / 80	**Chlorides:**	400
Rheology Temp:	120	**Ca+ / K+:**	320 / 0
Viscosity:	26.00	**CaCl2:**	0.00
PV / YP:	1 / 1	**Clom:**	0.59
Gels 10s/10m/30m:	1 / 1 / 1	**Lime:**	0.00
API WL:	45.00	**ES:**	100.20
HTHP WL:	0.00	**ECD:**	0.00
Cake API / HTHP:	1.0 / .0	**n / K:**	0.00 / 0.000
Solids / Sol Corr:	0.00 / 0.00	**Carbonate:**	2 ppm
Oil / Water:	0.0 / 0.0	**Bicarbonate:**	0 ppm
Sand:	0.00	**Form Loss:**	0.0 / 0.0
Water Added:	0.0 bbl	**Fluid Disch:**	/
Oil Added:	0.0 bbl		
LGS:	0.20 / 2.20		

VG Meter: 1@3 / 1@6 / 1@100 / 1@200 / 2@300 / 3@600

Comments: 0

LAST OR CURRENT BHA

Component	OD	ID	Jts	Length

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Engineering Service	Each	1.00
Premix Pit	each	1.00
Soap Stick	Each	120.00

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/24/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	11

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	6:00	6.00	01MIRU	RIGMT	REP	PT	WAIT ON DRAWWORKS REPAIR, CLEAN RIG
6:00	18:00	12.00	01MIRU	RIGMT	REP	PT	WAIT ON DRAWWORKS REPAIR,RIG DOWN FOR DEMOB. DECISION WAS MADE TO RELEASE NABORS RIG 711 @ 11:00 8/24/12. START RIGGING DOWN FOR BEMOB TO NABORS YARD. SIMOPS: RIG DOWN AND LOAD OUT DOUBLE H FLARE LINE. RIG DOWN AND LOAD OUT SWACO GAS BUSTER, CHOKE PANEL AND CHOKE. LOAD OUT SMITH JARS, BAKER MUD MOTORS AND STABIL DRILL STABILIZERS. RIG DOWN TOTCO. REMOVE ROTATING HEAD BOWL FROM BOP. RETURN 1 TRASH PUMP TO DOUBLE H.(2 STILL ON LOCATION)
18:00	0:00	6.00	81DMOB	RIGMT	REP	PT	WAIT ON DRAWWORKS REPAIR & DAYLIGHTS.
Total Time		24.00					

Safety Incident?	N	**Days since Last RI:**	238.00	**Weather Comments:**
Environ Incident?	N	**Days since Last LTA:**	268.00	

Incident Comments:
No incidents reported last 24 hours.

Other Remarks:

From the Intersection of Highway 385 and Highway 176 in Andrews, Texas, drive 2.1 miles East on Highway 176 to intersection of Highway 176 and Highway 115. Turn left (Northeast) on Highway 115. From intersection of Highway 115 and Highway 176, drive 6.75 miles Northeast on Highway 115. At intersection of Highway 115 and FM 1788, turn left (North) onto FM 1788. Drive 1.25 miles and turn right (East) onto lease road. Drive 0.5 miles on lease road trun South for 0.5 miles then east for 0.5 miles then north into location.

LIFE FLIGHT COORDINATES: LAT- 32º23'47.78"N, LONG- 102º24'31.10"W NAD 27 (X: 485,442.39' , Y: 300,944.80')

FLIGHT FOR LIFE 432-570-4892
ARE FLIGHT 877-730-0009

OXY DSM TRAILER: 281-833-2448

MORNING CREW SHORT: 1
NIGHT CREW SHORT: 1
NIGHT PUSHER: YES

TOTAL RIG NPT TIME FOR MONTH OF AUGUST 2012 = 209 HOURS
TOTAL NPT FOR RUBY GRACE #11- 177.5

ACCIDENTS / INCIDENTS REPORTED LAST 24 HRS: NONE
DAYS WORKED WITH NO LTI: 268
DAYS WORKED WITH NO RI: 238

TOTAL DAILY STOP CARDS: 7
TOTAL SWA'S:0
TOTAL DAILY NEAR MISSES: 0

TOTAL DAILY JSA'S REVIEWED: 9
TOTAL DAILY SAFETY MEETINGS: 8
LOTO:0
TOTAL DAILY PERMITS TO WORK: 0

POWER LINE CHECK LIST: 0
PRE SPUD / RIG INSPECTIONS: 0

BEST STOP CARD: OBSERVED THIRD PARTY EMPLOYEE BACKING ACROSS LOCATION WITHOUT A SPOTTER. . STOPPED EMPLOYEE AND EXPLAINED HAZARDS AND POLICY OF ALWAYS HAVING A SPOTTER ON OXY LOCATION. EMPLOYEE AGREED AND COMPLIED BY GETTING A SPOTTER. JOB CONTINUED WITHOUT INCIDENT.

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/25/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	12

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	NABORS 711	**Ref Datum:**	Original KB @3,068.70ft	**DFS:**	
Today's MD:	60 ft	**Progress:**	0 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$8,099
Prev MD:	60 ft	**Rot Hrs Today:**		**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$340,088
PBMD:		**Avg ROP Today:**	0.0 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,224,234

Current Formation: @ **Lithology:**

Current Ops:

24-Hr Summary: WAIT ON DRAWWORKS REPAIR,RIG DOWN FOR DEMOB. WAIT ON DRAWWORKS REPAIR & DAYLIGHTS.

24-Hr Forecast: RR 8-28-12 ROL 8 -29-12) WAIT ON DRAWWORKS REPAIR, RIG DOWN FOR DEMOB.

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:		**Str Wt Up/Dn:**	/	**Pump Rate:**	0.0	**Conn:**	0	0
Next Casing:		**Str Wt Rot:**		**Pump Press:**	0	**Trip:**	0	0
Last BOP Press Test:		**Torq Off Btm:**				**Backgr:**	0	0
Form Test/EMW:		**Torq On Btm:**						

PERSONNEL

Supervisor 1:	MORRIS HUFF
Supervisor 2:	
Engineer:	KEVIN THREADGILL
Geologist:	
Oxy Personnel:	1
Contractor Personnel:	26
Total on Site:	27

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
									- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI

MUD DATA - M-I Swaco

Engineer:	JEFF MCCOY	**MBT:**	0.0 lbm/bbl
Sample From:	In	**pH:**	8.0
Mud Type:	FRESH WATER POLYMER W	**Pm / Pom:**	
Time / MD:	12:00 / 60.0	**Pf / Mf:**	0.1 / 0.3
Density @ Temp:	8.40 / 85	**Chlorides:**	200
Rheology Temp:	120	**Ca+ / K+:**	0 / 0
Viscosity:	26.00	**CaCl2:**	
PV / YP:	1 / 1	**Clom:**	
Gels 10s/10m/30m:	1 / 1 / 1	**Lime:**	
API WL:	45.00	**ES:**	
HTHP WL:	0.00	**ECD:**	0.00
Cake API / HTHP:	.0 / .0	**n / K:**	0.00 / 0.000
Solids / Sol Corr:	0.00 / 0.00	**Carbonate:**	
Oil / Water:	0.0 / 100.0	**Bicarbonate:**	0 ppm
Sand:	0.10	**Form Loss:**	0.0 / 0.0
Water Added:		**Fluid Disch:**	/
Oil Added:			
LGS:	0.00 / 0.00		

VG Meter: 1@3 / 1@6 / 1@100 / 1@200 / 2@300 / 3@600

Comments: 0

LAST OR CURRENT BHA

Component	OD	ID	Jts	Length

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Engineering Service	Each	1.00
Premix Pit	each	1.00

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/25/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	12

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	6:00	6.00	81DMOB	RIGMT	REP	PT	WAIT ON DRAWWORKS REPAIR AND DAYLIGHTS.
6:00	18:00	12.00	81DMOB	RIGMT	REP	PT	WAIT ON DRAWWORKS REPAIR. RIG DOWN FOR DEMOB. SIMOPS: MOVE FRAC TANKS (RELEASE FRAC TANKS 8/25/12) MUD MATERIAL OFF LOCATION. LOAD AND HAUL IN HWDP AND RENTAL SUB.(RETURNED TO QUAIL TOOLS) UNLOAD BULK GEL BINS. HAUL OFF PRE-MIX TANK. LOAD AND HAUL OFF 9?" SURFACE CASING.(SENT BACK TO SOONER PIPE) ALL TRASH PUMPS OFF OF LOCATION (RETURNED TO DOUBLE H)
18:00	0:00	6.00	81DMOB	RIGMT	REP	PT	WAIT ON DRAWWORKS REPAIR AND DAYLIGHTS.
Total Time		24.00					

Safety Incident?	N	**Days since Last RI:**	239.00
Environ Incident?	N	**Days since Last LTA:**	269.00

Incident Comments:
No incidents reported last 24 hours.

Weather Comments:

Other Remarks:

From the Intersection of Highway 385 and Highway 176 in Andrews, Texas, drive 2.1 miles East on Highway 176 to intersection of Highway 176 and Highway 115. Turn left (Northeast) on Highway 115. From intersection of Highway 115 and Highway 176, drive 6.75 miles Northeast on Highway 115. At intersection of Highway 115 and FM 1788, turn left (North) onto FM 1788. Drive 1.25 miles and turn right (East) onto lease road. Drive 0.5 miles on lease road trun South for 0.5 miles then east for 0.5 miles then north into location.

LIFE FLIGHT COORDINATES: LAT- 32º23'47.78"N, LONG- 102º24'31.10"W NAD 27 (X: 485,442.39' , Y: 300,944.80')

FLIGHT FOR LIFE 432-570-4892
ARE FLIGHT 877-730-0009

OXY DSM TRAILER: 281-833-2448

MORNING CREW SHORT: 2
NIGHT CREW SHORT: 1
NIGHT PUSHER: YES

TOTAL RIG NPT TIME FOR MONTH OF AUGUST 2012 = 233 HOURS
TOTAL NPT FOR RUBY GRACE #11- 201.5

ACCIDENTS / INCIDENTS REPORTED LAST 24 HRS: NONE
DAYS WORKED WITH NO LTI: 269
DAYS WORKED WITH NO RI: 239

TOTAL DAILY STOP CARDS: 5
TOTAL SWA'S:0
TOTAL DAILY NEAR MISSES: 0

TOTAL DAILY JSA'S REVIEWED: 9
TOTAL DAILY SAFETY MEETINGS: 6
LOTO:0
TOTAL DAILY PERMITS TO WORK: 0

POWER LINE CHECK LIST: 0
PRE SPUD / RIG INSPECTIONS: 0

BEST STOP CARD: OBSERVED THIRD PARTY EMPLOYEE DRIVING FORKLIFT AT A HIGH RATE OF SPEED. STOPPED EMPLOYEE AND EXPLAINED HAZARDS AND POLICY. EMPLOYEE AGREED AND COMPLIED BY SLOWING DOWN. JOB CONTINUED WITHOUT INCIDENT.

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/26/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	13

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	NABORS 711	**Ref Datum:**	Original KB @3,068.70ft	**DFS:**	0.00
Today's MD:	60 ft	**Progress:**	0 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$6,001
Prev MD:	60 ft	**Rot Hrs Today:**	0.00 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$346,089
PBMD:		**Avg ROP Today:**	0.0 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,224,234

Current Formation: @ **Lithology:**

Current Ops:

24-Hr Summary: WAIT ON DRAWWORKS REPAIR & DAYLIGHTS, CLEAN AND PAINT RIG. WAIT ON DRAWWORKS REPAIR & DAYLIGHTS.

24-Hr Forecast: RR 8-28-12 ROL 8 -29-12) WAIT ON DRAWWORKS TO ARRIVE, INSTALL DRAWWORKS, LOWER SUB AND DERRICK, RIG DOWN FOR DEMO

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:		**Str Wt Up/Dn:**	/	**Pump Rate:**	0.0	**Conn:**	0	0
Next Casing:		**Str Wt Rot:**		**Pump Press:**	0	**Trip:**	0	0
Last BOP Press Test:		**Torq Off Btm:**				**Backgr:**	0	0
Form Test/EMW:		**Torq On Btm:**						

PERSONNEL

Supervisor 1:	MORRIS HUFF
Supervisor 2:	
Engineer:	KEVIN THREADGILL
Geologist:	
Oxy Personnel:	1
Contractor Personnel:	13
Total on Site:	14

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
									- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI

MUD DATA -

Engineer:		**MBT:**	
Sample From:		**pH:**	
Mud Type:		**Pm / Pom:**	
Time / MD:	/	**Pf / Mf:**	/
Density @ Temp:	/	**Chlorides:**	
Rheology Temp:		**Ca+ / K+:**	/
Viscosity:		**CaCl2:**	
PV / YP:	/	**Clom:**	
Gels 10s/10m/30m:	/ /	**Lime:**	
API WL:		**ES:**	
HTHP WL:		**ECD:**	
Cake API / HTHP:	/	**n / K:**	/
Solids / Sol Corr:	/	**Carbonate:**	
Oil / Water:	/	**Bicarbonate:**	
Sand:		**Form Loss:**	0.0 / 0.0
Water Added:		**Fluid Disch:**	/
Oil Added:			
LGS:	/		

VG Meter:

Comments:

LAST OR CURRENT BHA

Component	OD	ID	Jts	Length

MUD PRODUCTS

Product	Units	Qty Used

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/26/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	13

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	6:00	6.00	81DMOB	RIGMT	REP	PT	WAIT ON DRAWWORKS REPAIR AND DAYLIGHTS.
6:00	18:00	12.00	81DMOB	RIGMT	REP	PT	WAIT ON DRAWWORKS REPAIR , CLEAN AND PAINT RIG. SIMOPS: LAY OVER BULK GEL BINS. HAUL IN CONDUCTOR RISER, TROUGH, 8" LINES FOR GAS BUSTER. SENT 4" & 6" HOSES TO H&P 393 NOTE: DRAWWORKS IS SCHEDULED TO BE HERE IN MORNING.
18:00	0:00	6.00	81DMOB	RIGMT	REP	PT	WAIT ON DRAWWORKS REPAIR AND DAYLIGHTS.
Total Time		24.00					

Safety Incident?	N	**Days since Last RI:**	240.00	**Weather Comments:**
Environ Incident?	N	**Days since Last LTA:**	270.00	

Incident Comments:
No incidents reported last 24 hours.

Other Remarks:

From the Intersection of Highway 385 and Highway 176 in Andrews, Texas, drive 2.1 miles East on Highway 176 to intersection of Highway 176 and Highway 115. Turn left (Northeast) on Highway 115. From intersection of Highway 115 and Highway 176, drive 6.75 miles Northeast on Highway 115. At intersection of Highway 115 and FM 1788, turn left (North) onto FM 1788. Drive 1.25 miles and turn right (East) onto lease road. Drive 0.5 miles on lease road trun South for 0.5 miles then east for 0.5 miles then north into location.

LIFE FLIGHT COORDINATES: LAT- 32º23'47.78"N, LONG- 102º24'31.10"W NAD 27 (X: 485,442.39' , Y: 300,944.80')

FLIGHT FOR LIFE 432-570-4892
ARE FLIGHT 877-730-0009

OXY DSM TRAILER: 281-833-2448

MORNING CREW SHORT: 3
NIGHT CREW SHORT: 2
NIGHT PUSHER: YES

TOTAL RIG NPT TIME FOR MONTH OF AUGUST 2012 = 257 HOURS
TOTAL NPT FOR RUBY GRACE #11- 225.5

ACCIDENTS / INCIDENTS REPORTED LAST 24 HRS: NONE
DAYS WORKED WITH NO LTI: 270
DAYS WORKED WITH NO RI: 240

TOTAL DAILY STOP CARDS: 4
TOTAL SWA'S:0
TOTAL DAILY NEAR MISSES: 0

TOTAL DAILY JSA'S REVIEWED: 5
TOTAL DAILY SAFETY MEETINGS: 4
LOTO:0
TOTAL DAILY PERMITS TO WORK: 0

POWER LINE CHECK LIST: 0
PRE SPUD / RIG INSPECTIONS: 0

BEST STOP CARD: OBSERVED EMPLOYEE SPRAY PAINTING WITHOUT A PROPER RESPIRATOR. STOPPED EMPLOYEE AND EXPLAINED HAZARDS AND POLICY. EMPLOYEE AGREED AND COMPLIED BY GETTING PROPER RESPIRATOR. JOB CONTINUED WITHOUT INCIDENT.

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/27/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	14

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	NABORS 711	**Ref Datum:**	Original KB @3,068.70ft	**DFS:**	0.00
Today's MD:	60 ft	**Progress:**	0 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$9,247
Prev MD:	60 ft	**Rot Hrs Today:**	0.00 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$355,336
PBMD:		**Avg ROP Today:**	0.0 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,224,234

Current Formation: @ **Lithology:**

Current Ops:

24-Hr Summary: WAIT ON DRAWWORKS TO ARRIVE, INSTALL DRAWWORKS, SQAUT SUB SUB DOWN @ 19:00 HRS. PREPARE TO LOWER DERRICK, LOW

24-Hr Forecast: (RR 8-28-12 ROL 8 -29-12) WAIT ON DAYLIGHTS AND TRUCKS. MOVE RIG FROM STATE RUBY GRACE #11 TO NABORS YARD.

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:		**Str Wt Up/Dn:**	/	**Pump Rate:**	0.0	**Conn:**	0	0
Next Casing:		**Str Wt Rot:**		**Pump Press:**	0	**Trip:**	0	0
Last BOP Press Test:		**Torq Off Btm:**				**Backgr:**	0	0
Form Test/EMW:		**Torq On Btm:**						

PERSONNEL

Supervisor 1:	MORRIS HUFF
Supervisor 2:	
Engineer:	KEVIN THREADGILL
Geologist:	
Oxy Personnel:	2
Contractor Personnel:	30
Total on Site:	32

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
									- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI

MUD DATA -

Engineer:		**MBT:**	
Sample From:		**pH:**	
Mud Type:		**Pm / Pom:**	
Time / MD:	/	**Pf / Mf:**	/
Density @ Temp:	/	**Chlorides:**	
Rheology Temp:		**Ca+ / K+:**	/
Viscosity:		**CaCl2:**	
PV / YP:	/	**Clom:**	
Gels 10s/10m/30m:	/ /	**Lime:**	
API WL:		**ES:**	
HTHP WL:		**ECD:**	
Cake API / HTHP:	/	**n / K:**	/
Solids / Sol Corr:	/	**Carbonate:**	
Oil / Water:	/	**Bicarbonate:**	
Sand:		**Form Loss:**	0.0 / 0.0
Water Added:		**Fluid Disch:**	/
Oil Added:			
LGS:	/		

VG Meter:

Comments:

LAST OR CURRENT BHA

Component	OD	ID	Jts	Length

MUD PRODUCTS

Product	Units	Qty Used

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/27/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	14

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	6:00	6.00	81DMOB	RIGMT	REP	PT	WAIT ON DRAWWORKS REPAIR AND DAYLIGHTS.
6:00	12:00	6.00	81DMOB	RIGMT	REP	PT	WAIT ON DRAWWORKS REPAIR , CLEAN AND PAINT RIG. SIMOPS: KRP PICKING UP PRE-MIX TANK AND LDI REMOVING BULK GEL BINS.MI SWACO PICKED UP SCREEN BOX. NOTE: CRANE TO INSTALL DRWWORKS ARRIVED ON LOCATION @ 07:50. DRAWWORKS ARRIVED ON LOCATION @ 12:10
12:00	12:30	0.50	81DMOB	RIGMT	REP	PT	PJSM WITH RIG CREWS,RIG MANAGERS,DSM, BIELSS SAFETY REP, CRANE OPERATORS AND RIGGER. DISCUSSED BUFFER ZONES, SUSPENDED LOADS, GOOD COMMUNICATION, PROPER TIE OFF & PINCH POINTS.
12:30	18:00	5.50	81DMOB	RIGMT	REP	PT	LIFT DRAWORKS INTO PLACE AND BOLT DOWN, FILL WITH OIL, INSTALL ELECTRICAL CABLES, BURN IN BRAKES. INSTALL DRILLING LINE. UNHANG BLOCKS AND TEST RUN DRAWORKS. SIMOPS: TOTCO HERE TO REMOVE E-AUTO DRILLER FROM DRAWORKS. NOTE: DRAWORKS IS INSTALLED AND TESTED, BOTH CATHEADS DO NOT WORK CORRECTLY. THEY WILL NOT RELEASE PROPERLY. WITH NO TONG LINES HOOKED UP WE CAN STILL SQAUT SUB AND LOWER DERRICK.
18:00	19:00	1.00	81DMOB	LOCMOV	RD	P	PJSM WITH RIG CREWS, RIG MANAGERS AND DSM ON SQUATTING SUB. DISCUSSED STAYING FOCUSED ON TASK AT HAND, GOOD COMMUNICATION, LINE OF FIRE, USE OF PIN CATCHERS, PINCH POINTS AND HAND AND FINGER PLACEMENT. SQAUT SUB. SUB DOWN @ 19:00 HRS.
19:00	20:30	1.50	81DMOB	LOCMOV	RD	P	PREPARE TO LOWER DERRICK. PJSM WITH RIG CREWS,RIG MANAGERS AND DSM ON LOWERING DERRICK. DISCUSSED STAYING FOCUSED ON TASK AT HAND, GOOD COMMUNICATION, LINE OF FIRE, USE OF PIN CATCHERS, PINCH POINTS AND HAND AND FINGER PLACEMENT. LOWER DERRICK, DERRICK DOWN ON STAND @ 20:10 HOURS.
20:30	0:00	3.50	81DMOB	WAIT	SDN	PT	SHUT DOWN FOR NIGHT AND WAIT ON DAYLIGHTS AND TRUCKS.
Total Time		24.00					

Safety Incident?	N	**Days since Last RI:**	241.00	**Weather Comments:**
Environ Incident?	N	**Days since Last LTA:**	271.00	

Incident Comments:
No incidents reported last 24 hours.

Other Remarks:

From the Intersection of Highway 385 and Highway 176 in Andrews, Texas, drive 2.1 miles East on Highway 176 to intersection of Highway 176 and Highway 115. Turn left (Northeast) on Highway 115. From intersection of Highway 115 and Highway 176, drive 6.75 miles Northeast on Highway 115. At intersection of Highway 115 and FM 1788, turn left (North) onto FM 1788. Drive 1.25 miles and turn right (East) onto lease road. Drive 0.5 miles on lease road trun South for 0.5 miles then east for 0.5 miles then north into location.

LIFE FLIGHT COORDINATES: LAT- 32º23'47.78"N, LONG- 102º24'31.10"W NAD 27 (X: 485,442.39' , Y: 300,944.80')

FLIGHT FOR LIFE 432-570-4892
ARE FLIGHT 877-730-0009

OXY DSM TRAILER: 281-833-2448

MORNING CREW SHORT: 1
NIGHT CREW SHORT: 1
NIGHT PUSHER: YES

TOTAL RIG NPT TIME FOR MONTH OF AUGUST 2012 = 257 HOURS
TOTAL NPT FOR RUBY GRACE #11- 225.5

ACCIDENTS / INCIDENTS REPORTED LAST 24 HRS: NONE
DAYS WORKED WITH NO LTI: 271
DAYS WORKED WITH NO RI: 241

TOTAL DAILY STOP CARDS: 9
TOTAL SWA'S:0
TOTAL DAILY NEAR MISSES: 0

TOTAL DAILY JSA'S REVIEWED: 10
TOTAL DAILY SAFETY MEETINGS: 10
LOTO:1
TOTAL DAILY PERMITS TO WORK: 0

POWER LINE CHECK LIST: 0
PRE SPUD / RIG INSPECTIONS: 0

BEST STOP CARD: OBSERVED THIRD PARTY EMPLOYEE WALKING ACROSS LOCATION WITHOUT PROPER PPE. STOPPED EMPLOYEE AND EXPLAINED HAZARDS AND POLICY. EMPLOYEE AGREED AND COMPLIED. JOB CONTINUED WITHOUT INCIDENT.

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/28/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	15

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	NABORS 711	**Ref Datum:**	Original KB @3,068.70ft	**DFS:**	0.00
Today's MD:	60 ft	**Progress:**	0 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$3,590
Prev MD:	60 ft	**Rot Hrs Today:**	0.00 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$354,460
PBMD:		**Avg ROP Today:**	0.0 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,224,234

Current Formation: @ **Lithology:**

Current Ops:

24-Hr Summary: WAIT ON DAYLIGHTS AND TRUCKS. REPAIR DRAWORKS,CONTINUE RIG DOWN FOR DEMOB. NO TRUCKS FROM BUTCH'S. SHUT DOWN

24-Hr Forecast: (RR 8-29-12 ROL 8 -30-12) WAIT ON DAYLIGHTS AND TRUCKS. MOVE RIG FROM STATE RUBY GRACE #11 TO NABORS YARD.

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:		**Str Wt Up/Dn:**	/	**Pump Rate:**	0.0	**Conn:**	0	0
Next Casing:		**Str Wt Rot:**		**Pump Press:**	0	**Trip:**	0	0
Last BOP Press Test:		**Torq Off Btm:**				**Backgr:**	0	0
Form Test/EMW:		**Torq On Btm:**						

PERSONNEL

Supervisor 1:	MORRIS HUFF
Supervisor 2:	
Engineer:	KEVIN THREADGILL
Geologist:	
Oxy Personnel:	1
Contractor Personnel:	14
Total on Site:	15

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
									- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI

MUD DATA -

Engineer:		**MBT:**	
Sample From:		**pH:**	
Mud Type:		**Pm / Pom:**	
Time / MD:	/	**Pf / Mf:**	/
Density @ Temp:	/	**Chlorides:**	
Rheology Temp:		**Ca+ / K+:**	/
Viscosity:		**CaCl2:**	
PV / YP:	/	**Clom:**	
Gels 10s/10m/30m:	/ /	**Lime:**	
API WL:		**ES:**	
HTHP WL:		**ECD:**	
Cake API / HTHP:	/	**n / K:**	/
Solids / Sol Corr:	/	**Carbonate:**	
Oil / Water:	/	**Bicarbonate:**	
Sand:		**Form Loss:**	0.0 / 0.0
Water Added:		**Fluid Disch:**	/
Oil Added:			
LGS:	/		

VG Meter:

Comments:

LAST OR CURRENT BHA

Component	OD	ID	Jts	Length

MUD PRODUCTS

Product	Units	Qty Used

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/28/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	15

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	7:00	7.00	81DMOB	RIGMT	REP	PT	SHUT DOWN FOR NIGHT, WAIT FOR DAYLIGHTS AND TRUCKS.
7:00	18:00	11.00	81DMOB	RIGMT	REP	P	RIG DOWN FOR MOVE TO NABORS YARD. UNSTRING BLOCKS, RIG DOWN ELECTRICAL LINES FROM FLOOR AND SUB AND ROLL UP IN SUITCASE. RIG DOWN SUITCASE AND GRASSHOPPER. NOTE: DRAWORKS IS STILL BEING WORKED ON BY SENTRY MECHANICS. NOTE: MIX UP WITH BUTCHS ON HAVING TRUCKS ON LOCATION TO MOVE RIG. NO TRUCKS TODAY. I E MILLER IS SET UP FOR 8/29/12.
18:00	0:00	6.00	81DMOB	RIGMT	REP	P	SHUT DOWN FOR NIGHT, WAIT FOR DAYLIGHTS AND TRUCKS.
Total Time		24.00					

Safety Incident?	N	**Days since Last RI:**	242.00	**Weather Comments:**
Environ Incident?	N	**Days since Last LTA:**	272.00	

Incident Comments:
No incidents reported last 24 hours.

Other Remarks:

From the Intersection of Highway 385 and Highway 176 in Andrews, Texas, drive 2.1 miles East on Highway 176 to intersection of Highway 176 and Highway 115. Turn left (Northeast) on Highway 115. From intersection of Highway 115 and Highway 176, drive 6.75 miles Northeast on Highway 115. At intersection of Highway 115 and FM 1788, turn left (North) onto FM 1788. Drive 1.25 miles and turn right (East) onto lease road. Drive 0.5 miles on lease road trun South for 0.5 miles then east for 0.5 miles then north into location.

LIFE FLIGHT COORDINATES: LAT- 32º23'47.78"N, LONG- 102º24'31.10"W NAD 27 (X: 485,442.39' , Y: 300,944.80')

FLIGHT FOR LIFE 432-570-4892
ARE FLIGHT 877-730-0009

OXY DSM TRAILER: 281-833-2448

MORNING CREW SHORT: 1
NIGHT CREW SHORT: 1
NIGHT PUSHER: YES

TOTAL RIG NPT TIME FOR MONTH OF AUGUST 2012 = 281 HOURS
TOTAL NPT FOR RUBY GRACE #11- 249.5

ACCIDENTS / INCIDENTS REPORTED LAST 24 HRS: NONE
DAYS WORKED WITH NO LTI: 272
DAYS WORKED WITH NO RI: 242

TOTAL DAILY STOP CARDS: 10
TOTAL SWA'S:0
TOTAL DAILY NEAR MISSES: 0

TOTAL DAILY JSA'S REVIEWED: 7
TOTAL DAILY SAFETY MEETINGS: 8
LOTO:1
TOTAL DAILY PERMITS TO WORK: 0

POWER LINE CHECK LIST: 0
PRE SPUD / RIG INSPECTIONS: 0

BEST STOP CARD: OBSERVED EMPLOYEE'S WALKING UNDER BOOM ON MANLIFT. STOPPED EMPLOYEE'S AND EXPLAINED HAZARDS AND POLICY OF NOT GETTING UNDER SUSPENDED LOAD. EMPLOYEE'S AGREED AND COMPLIED. JOB CONTINUED WITHOUT INCIDENT.

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/29/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	16

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	NABORS 711	**Ref Datum:**	Original KB @3,068.70ft	**DFS:**	0.00
Today's MD:	60 ft	**Progress:**	0 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$20,847
Prev MD:	60 ft	**Rot Hrs Today:**	0.00 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$375,306
PBMD:		**Avg ROP Today:**	0.0 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,224,234

Current Formation: @ **Lithology:**

Current Ops:

24-Hr Summary: WAIT ON DAYLIGHTS AND TRUCKS.CONTINUE RIG DOWN FOR DEMOB. START MOVING LOADS OFF OF STATE RUBY GRACE #11. 85% F

24-Hr Forecast: (RR 8-29-12 ROL 8 -30-12) WAIT ON DAYLIGHTS AND TRUCKS. CONTINUE TO MOVE RIG FROM STATE RUBY GRACE #11 TO NABORS YA

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:		**Str Wt Up/Dn:**	/	**Pump Rate:**	0.0	**Conn:**	0	0
Next Casing:		**Str Wt Rot:**		**Pump Press:**	0	**Trip:**	0	0
Last BOP Press Test:		**Torq Off Btm:**				**Backgr:**	0	0
Form Test/EMW:		**Torq On Btm:**						

PERSONNEL

Supervisor 1:	MORRIS HUFF
Supervisor 2:	
Engineer:	KEVIN THREADGILL
Geologist:	
Oxy Personnel:	1
Contractor Personnel:	29
Total on Site:	30

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
									- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI

MUD DATA -

Engineer:		**MBT:**	
Sample From:		**pH:**	
Mud Type:		**Pm / Pom:**	
Time / MD:	/	**Pf / Mf:**	/
Density @ Temp:	/	**Chlorides:**	
Rheology Temp:		**Ca+ / K+:**	/
Viscosity:		**CaCl2:**	
PV / YP:	/	**Clom:**	
Gels 10s/10m/30m:	/ /	**Lime:**	
API WL:		**ES:**	
HTHP WL:		**ECD:**	
Cake API / HTHP:	/	**n / K:**	/
Solids / Sol Corr:	/	**Carbonate:**	
Oil / Water:	/	**Bicarbonate:**	
Sand:		**Form Loss:**	0.0 / 0.0
Water Added:		**Fluid Disch:**	/
Oil Added:			
LGS:	/		

VG Meter:

Comments:

LAST OR CURRENT BHA

Component	OD	ID	Jts	Length

MUD PRODUCTS

Product	Units	Qty Used

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING | STATE RUBY GRACE 11 | **Date:** 08/29/2012

Prim. Reason: ORIG DRILL VERT | USA | **Report No:** 16

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	7:00	7.00	81DMOB	WAIT	SDN	PT	SHUT DOWN FOR NIGHT,WAIT ON DAYLIGHTS AND TRUCKS
7:00	11:30	4.50	81DMOB	WAIT	WOEQ	PT	CONTINUE RIG DOWN FOR DEMOB. WAIT ON TRUCKS. NOTE: TRUCKS ARE MOBILIZING FROM BIG LAKE ,TX APPROXIMATELY 170 MILES AWAY. NOTE: I.E. MILLER SAFETY MAN ON LOCATION@ 09:30 NOTE: FIRST I. E. MILLER TRUCK AND CRANE ON LOCATION @ 11:34
11:30	12:00	0.50	81DMOB	SAFE	PJSM	P	PJSM WITH RIG CREWS, I.E. MILLER TRUCKING, RIG MANAGERS, BIELSS SAFETY OBSERVER, DSM. DISCUSSED BUFFER ZONES, LINE OF FIRE, IN-BETWEEN, HIGH TRAFFIC VOLUMES, CELL PHONE USE,HORN SIGNALS & STAYING HYDRATED. POWER LINE SAFETY & OXY RIG MOVE POLICIES.
12:00	16:00	4.00	81DMOB	LOCMOV	MOVE	P	RIG UP CRANE AND INSPECT.START LOADING OUT LOADS TO GO TO NABORS ODESSA YARD. FIRST LOAD OFF LOCATION @ 13:38 HOURS. 7 LOADS OFF LOCATION. 3- GEN SETS, VFD HOUSE, FUEL TANK, WATER TANK,SHALE SHAKER SKID. NOTE: TANDEM HAD BAD WINCH LINE ON BIG WINCH. PUT OUT OF SERVICE. THEY USED SMALL WINCH. MIDDAY REFOCUS: USE OF TAG LINES AND FALL PROTECTION.
16:00	19:00	3.00	81DMOB	LOCMOV	MOVE	P	REMOVE ROOFS ON PITS, MOVE PITS, PULL KOOMIE UNIT OFF OF SKID. LAY OVER "A" LEGS. LIFT DERRICK FROM FLOOR. LIFT DRAWORKS FROM FLOOR. LOAD OUT PIT ROOFS, HPU, DOGHOUSE, KOOMIE UNIT, MONKEY BOARD, 1 MUD PIT, #1 PUMP, #2 MUD PUMP, DRAWORKS. 13 LOADS OFF LOCATION. NOTE: SECOND CRANE ON LOCATION @ 17:00 HOURS. 85% RIGGED DOWN, 50% OFF LOCATION.
19:00	0:00	5.00	81DMOB	WAIT	SDN	P	SHUT DOWN FOR NIGHT,WAIT ON DAYLIGHTS AND TRUCKS
Total Time		24.00					

Safety Incident? N | **Days since Last RI:** 243.00

Environ Incident? N | **Days since Last LTA:** 273.00

Incident Comments:
No incidents reported last 24 hours.

Weather Comments:

Other Remarks:

From the Intersection of Highway 385 and Highway 176 in Andrews, Texas, drive 2.1 miles East on Highway 176 to intersection of Highway 176 and Highway 115. Turn left (Northeast) on Highway 115. From intersection of Highway 115 and Highway 176, drive 6.75 miles Northeast on Highway 115. At intersection of Highway 115 and FM 1788, turn left (North) onto FM 1788. Drive 1.25 miles and turn right (East) onto lease road. Drive 0.5 miles on lease road trun South for 0.5 miles then east for 0.5 miles then north into location.

LIFE FLIGHT COORDINATES: LAT- 32º23'47.78"N, LONG- 102º24'31.10"W NAD 27 (X: 485,442.39' , Y: 300,944.80')

FLIGHT FOR LIFE 432-570-4892
ARE FLIGHT 877-730-0009

OXY DSM TRAILER: 281-833-2448

MORNING CREW SHORT: 1
NIGHT CREW SHORT: 1
NIGHT PUSHER: YES

TOTAL RIG NPT TIME FOR MONTH OF AUGUST 2012 = 281 HOURS
TOTAL NPT FOR RUBY GRACE #11- 266

ACCIDENTS / INCIDENTS REPORTED LAST 24 HRS: NONE
DAYS WORKED WITH NO LTI: 273
DAYS WORKED WITH NO RI: 243

TOTAL DAILY STOP CARDS: 15
TOTAL SWA'S:2
TOTAL DAILY NEAR MISSES: 0

TOTAL DAILY JSA'S REVIEWED: 10
TOTAL DAILY SAFETY MEETINGS: 14
LOTO:0
TOTAL DAILY PERMITS TO WORK: 0

POWER LINE CHECK LIST: 1
PRE SPUD / RIG INSPECTIONS: 0

BEST STOP CARD: OBSERVED THIRD PARTY EMPLOYEE ABOVE 4' WITHOUT BEING PROPERLY TIED OFF. STOPPED EMPLOYEE AND EXPLAINED HAZARDS AND OSHA REGULATIONS. EMPLOYEE'S AGREED AND COMPLIED. JOB CONTINUED WITHOUT INCIDENT.

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/30/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	17

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	NABORS 711	**Ref Datum:**	Original KB @3,068.70ft	**DFS:**	0.00
Today's MD:	60 ft	**Progress:**	0 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$18,198
Prev MD:	60 ft	**Rot Hrs Today:**	0.00 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$393,504
PBMD:		**Avg ROP Today:**	0.0 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,224,234

Current Formation: @ **Lithology:**

Current Ops:

24-Hr Summary: (RR 8-29-12 ROL 8 -30-12) WAIT ON DAYLIGHTS AND TRUCKS. CONTINUE TO MOVE RIG FROM STATE RUBY GRACE #11 TO NABORS YA

24-Hr Forecast: (RR 8-29-12 ROL 8 -30-12) RIG RELEASED TO OTHER OPERATORS.

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:		**Str Wt Up/Dn:**	/	**Pump Rate:**	0.0	**Conn:**	0	0
Next Casing:		**Str Wt Rot:**		**Pump Press:**	0	**Trip:**	0	0
Last BOP Press Test:		**Torq Off Btm:**				**Backgr:**	0	0
Form Test/EMW:		**Torq On Btm:**						

PERSONNEL

Supervisor 1:	MORRIS HUFF
Supervisor 2:	
Engineer:	KEVIN THREADGILL
Geologist:	
Oxy Personnel:	2
Contractor Personnel:	46
Total on Site:	48

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
									- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI

MUD DATA -

Engineer:		**MBT:**	
Sample From:		**pH:**	
Mud Type:		**Pm / Pom:**	
Time / MD:	/	**Pf / Mf:**	/
Density @ Temp:	/	**Chlorides:**	
Rheology Temp:		**Ca+ / K+:**	/
Viscosity:		**CaCl2:**	
PV / YP:	/	**Clom:**	
Gels 10s/10m/30m:	/ /	**Lime:**	
API WL:		**ES:**	
HTHP WL:		**ECD:**	
Cake API / HTHP:	/	**n / K:**	/
Solids / Sol Corr:	/	**Carbonate:**	
Oil / Water:	/	**Bicarbonate:**	
Sand:		**Form Loss:**	0.0 / 0.0
Water Added:		**Fluid Disch:**	/
Oil Added:			
LGS:	/		

VG Meter:

Comments:

LAST OR CURRENT BHA

Component	OD	ID	Jts	Length

MUD PRODUCTS

Product	Units	Qty Used

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	08/30/2012
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	17

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	7:00	7.00	81DMOB	WAIT	SDN	PT	SHUT DOWN FOR NIGHT,WAIT ON DAYLIGHTS AND TRUCKS
7:00	7:30	0.50	81DMOB	SAFE	PJSM	P	PJSM WITH RIG CREWS, I.E. MILLER TRUCKING, RIG MANAGERS, BIELSS SAFETY OBSERVER, DSM. DISCUSSED BUFFER ZONES, LINE OF FIRE, IN-BETWEEN, HIGH TRAFFIC VOLUMES, CELL PHONE USE,HORN SIGNALS & STAYING HYDRATED & WATCH FOR SNAKES AND BUGS WHEN LOADS ARE LIFTED. POWER LINE SAFETY & OXY RIG MOVE POLICIES. NOTE: 13 HAUL TRUCKS, 2- CRANES,1-TANDEM, 1-FORKLIFT.
7:30	18:00	10.50	81DMOB	LOCMOV	MOVE	P	FINISH MOVING NABORS 711 FROM STATE RUBY GRACE # 11 TO NABORS DRILLING ODESSA YARD. PULL SUB CENTER BEAMS AND LOAD OUT, LOAD OUT SUB SECTIONS, PULL "A" LEGS AND SPLIT DERRICK AND LOAD OUT, LOAD SUB BASES, #2 PUMP, CHOKE MANIFOLD, BOP,HYDRIL, DRILLING LINE SPOOL, RIG MANAGER HOUSE AND CREW QUARTERS,PARTS HOUSE, CREW CHANGE HOUSE, JUNK BASKET. LOAD DRILL PIPE, DRILL COLLARS, KELLY AND MISCELLANEOUS RIG EQUIPMENT. SAFETY STAND DOWN: STOP WORK AUTHORITY NOTE: SUB SPLIT @ 08:30, DERRICK SPLIT @ 12:30 RIG 100% OFF LOCATION @ 18:00 HOURS. MIDDAY REFOCUS: SUSPENDED LOADS AND TAG LINES
Total Time		18.00					

Safety Incident?	N	**Days since Last RI:**	244.00	**Weather Comments:**
Environ Incident?	N	**Days since Last LTA:**	274.00	

Incident Comments:
No incidents reported last 24 hours.

Other Remarks:

From the Intersection of Highway 385 and Highway 176 in Andrews, Texas, drive 2.1 miles East on Highway 176 to intersection of Highway 176 and Highway 115. Turn left (Northeast) on Highway 115. From intersection of Highway 115 and Highway 176, drive 6.75 miles Northeast on Highway 115. At intersection of Highway 115 and FM 1788, turn left (North) onto FM 1788. Drive 1.25 miles and turn right (East) onto lease road. Drive 0.5 miles on lease road trun South for 0.5 miles then east for 0.5 miles then north into location.

LIFE FLIGHT COORDINATES: LAT- 32º23'47.78"N, LONG- 102º24'31.10"W NAD 27 (X: 485,442.39' , Y: 300,944.80')

FLIGHT FOR LIFE 432-570-4892
ARE FLIGHT 877-730-0009

OXY DSM TRAILER: 281-833-2448

MORNING CREW SHORT: 1
NIGHT CREW SHORT: 1
NIGHT PUSHER: YES

TOTAL RIG NPT TIME FOR MONTH OF AUGUST 2012 = 281 HOURS
TOTAL NPT FOR RUBY GRACE #11- 266

ACCIDENTS / INCIDENTS REPORTED LAST 24 HRS: NONE
DAYS WORKED WITH NO LTI: 274
DAYS WORKED WITH NO RI: 244

TOTAL DAILY STOP CARDS: 15
TOTAL SWA'S:2
TOTAL DAILY NEAR MISSES: 0

TOTAL DAILY JSA'S REVIEWED: 10
TOTAL DAILY SAFETY MEETINGS: 14
LOTO:0
TOTAL DAILY PERMITS TO WORK: 0

POWER LINE CHECK LIST: 0
PRE SPUD / RIG INSPECTIONS: 0

BEST STOP CARD: OBSERVED THIRD PARTY EMPLOYEE MOVING A SUSPENDED LOAD WITHOUT THE USE OF A TAG LINE. STOPPED EMPLOYEE AND EXPLAINED HAZARDS AND OXY POLICY. EMPLOYEE AGREED AND COMPLIED. JOB CONTINUED WITHOUT INCIDENT.

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/04/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	1

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	H&P 349	**Ref Datum:**	Original KB @3,069.80ft	**DFS:**	
Today's MD:	0 ft	**Progress:**	0 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$115,138
Prev MD:		**Rot Hrs Today:**	0.00 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$115,138
PBMD:		**Avg ROP Today:**	0.0 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,399,597

Current Formation: @ **Lithology:**

Current Ops:

24-Hr Summary: WAIT ON DAYLIGHT, RAISE DRILLERS CABIN AND RAISE MAST, RIG UP ELECTRICAL AND WATER LINES, WORK ON CONDUCTOR RISEF

24-Hr Forecast: CONTINUE RIGGING UP

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:		**Str Wt Up/Dn:**	/	**Pump Rate:**	0.0	**Conn:**		
Next Casing:		**Str Wt Rot:**		**Pump Press:**	0	**Trip:**		
Last BOP Press Test:		**Torq Off Btm:**				**Backgr:**		
Form Test/EMW:		**Torq On Btm:**						

PERSONNEL

Supervisor 1:	DELBERT WILLEFORD
Supervisor 2:	EDDIE DOSSEY
Engineer:	DANIEL COOK
Geologist:	
Oxy Personnel:	2
Contractor Personnel:	11
Total on Site:	13

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
									- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI

MUD DATA -

Engineer:		**MBT:**	
Sample From:		**pH:**	
Mud Type:		**Pm / Pom:**	
Time / MD:	/	**Pf / Mf:**	/
Density @ Temp:	/	**Chlorides:**	
Rheology Temp:		**Ca+ / K+:**	/
Viscosity:		**CaCl2:**	
PV / YP:	/	**Clom:**	
Gels 10s/10m/30m:	/ /	**Lime:**	
API WL:		**ES:**	
HTHP WL:		**ECD:**	
Cake API / HTHP:	/	**n / K:**	/
Solids / Sol Corr:	/	**Carbonate:**	
Oil / Water:	/	**Bicarbonate:**	
Sand:		**Form Loss:**	/ 0.0
Water Added:		**Fluid Disch:**	/
Oil Added:			
LGS:	/		

VG Meter:

Comments:

LAST OR CURRENT BHA

Component	OD	ID	Jts	Length

MUD PRODUCTS

Product	Units	Qty Used

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/04/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	1

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	6:00	6.00	01MIRU	LOCMOV	RU	R	WAIT ON DAYLIGHT
6:00	18:00	12.00	01MIRU	LOCMOV	RU	R	RAISE DRILLERS CABIN AND RAISE MAST, RIG UP ELECTRICAL AND MISCELLANEOUS EQUIPMENT, WORK ON CONDUCTOR RISER
18:00	0:00	6.00	01MIRU	LOCMOV	RU	R	RIG UP WATER AND AIR LINES TO PIT SYSTEM, SECURE DRAWWORKS AND DERRICK
Total Time		24.00					

Safety Incident? N **Days since Last RI:**

Environ Incident? N **Days since Last LTA:**

Incident Comments:

Weather Comments:

Other Remarks:

DIRECTIONS: FROM ANDREWS TAKE HIGHWAY 176 EAST FOR 9 MILES, TURN LEFT (NORTH) ON HIGHWAY 1788, TRAVEL 5 MILES TO RIG SIGN ON THE RIGHT, FOLLOW THE RIG SIGNS ON LEASE ROAD TO LOCATION
OXY DSM TRAILER NUMBER : (432) 253 - 7934
LEADER HES:CHARLES BULLARD (432) 894-3769

LIFE FLIGHT COORDINATES FOR STATE RUBY GRACE #11: LATITUDE = 32º 23' 47.78 N, LONGITUDE = 102º 24' 31.10 W

SAFETY TOPIC OF THE DAY: PLANNING AHEAD AND SAFE PROCEDURES FOR RIGGING UP

DAYS WORKED WITH NO LTI: 2
DAYS WORKED SINCE LAST RI: 2

STOP CARDS: 10
SWA: 0
NEAR MISSES: 0
JSA's: 15
SAFETY MEETINGS: 15
LO/TO's: 0
PERMITS TO WORK: 6
POWER LINE CHECKLISTS: 0
PRE-SPUD RIG INSPECTIONS: 0
HAZARD ID's: 0
EP2 OBSERVATIONS: 0

BEST STOP CARD: OBSERVED A WORKER STANDING IN THE BUFFER ZONE WHILE A SLEDGE HAMMER WAS BEING USED

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/05/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	2

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	H&P 349	**Ref Datum:**	Original KB @3,069.80ft	**DFS:**	
Today's MD:	0 ft	**Progress:**	0 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$27,909
Prev MD:	0 ft	**Rot Hrs Today:**	0.00 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$143,047
PBMD:		**Avg ROP Today:**	0.0 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,399,597

Current Formation: @ **Lithology:**

Current Ops:

24-Hr Summary: RIG UP RIG FLOOR AND MISC. EQUIPMENT, FUNCTION TEST DRAWWORKS, TEST TDS AND TEST COM, INSTALL CONDUCTOR AND FLC

24-Hr Forecast: RIG UP MISC. EQUIPMENT, PERFORM PRE-SPUD INSPECTION, ACCEPT RIG AND DRILL 12 1/4" SURFACE HOLE

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:		**Str Wt Up/Dn:**	/	**Pump Rate:**	0.0	**Conn:**		
Next Casing:		**Str Wt Rot:**		**Pump Press:**	0	**Trip:**		
Last BOP Press Test:		**Torq Off Btm:**				**Backgr:**		
Form Test/EMW:		**Torq On Btm:**						

PERSONNEL

Supervisor 1:	DELBERT WILLEFORD
Supervisor 2:	EDDIE DOSSEY
Engineer:	DANIEL COOK
Geologist:	
Oxy Personnel:	2
Contractor Personnel:	17
Total on Site:	19

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
									- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI

MUD DATA - M-I SWACO

Engineer:	Keith Smith	**MBT:**	0.0 lbm/bbl
Sample From:	RES	**pH:**	7.0
Mud Type:	FW	**Pm / Pom:**	0.00
Time / MD:	14:00 / .0	**Pf / Mf:**	0.0 / 0.1
Density @ Temp:	8.40 / 0	**Chlorides:**	1,000
Rheology Temp:	120	**Ca+ / K+:**	80 / 0
Viscosity:	26.00	**CaCl2:**	0.00
PV / YP:	1 / 1	**Clom:**	0.59
Gels 10s/10m/30m:	1 / 1 / 1	**Lime:**	0.00
API WL:	45.00	**ES:**	-0.10
HTHP WL:	0.00	**ECD:**	8.40
Cake API / HTHP:	.0 / .0	**n / K:**	0.00 / 0.000
Solids / Sol Corr:	0.00 /	**Carbonate:**	0 ppm
Oil / Water:	0.0 / 0.0	**Bicarbonate:**	
Sand:	0.05	**Form Loss:**	/ 0.0
Water Added:	0.0 bbl	**Fluid Disch:**	/
Oil Added:			
LGS:	0.10 / 0.60		

VG Meter: 1@3 / 1@6 / 1@100 / 1@200 / 2@300 / 3@600

Comments:

LAST OR CURRENT BHA

Component	OD	ID	Jts	Length

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Drive-By Engineering	Each	1.00

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/05/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	2

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	6:00	6.00	01MIRU	LOCMOV	RU	P	RIG UP RIG FLOOR AND WINCH, GATHER SLIPS AND COLLAR CLAMPS, INSTALL WINCH LINE, RIG UP MISCELLANEOUS EQUIPMENT
6:00	18:00	12.00	01MIRU	LOCMOV	RU	P	FUNCTION TEST DRAWWORKS, INSTALL DRILLING LINE, WELD FLOWLINE AND CONDUCTOR, RIG UP MISCELLANEOUS EQUIPMENT, FUNCTION TEST TDS, CHECK COM AND PERFORM 2 POINT CALIBRATION, SERVICE TDS AND INSPECT SAME, SET CONDUCTOR FOR WELDER TO MODIFY
18:00	0:00	6.00	01MIRU	LOCMOV	RU	P	INSTALL AND REMOVE FLOWLINE TO BE MODIFIED, INSTALL SUBS ON SUB TRAILER, CUT FLOWLINE AND RE-INSTALL SAME
Total Time		24.00					

Safety Incident? N **Days since Last RI:**

Environ Incident? N **Days since Last LTA:**

Incident Comments:
No incidents reported last 24 hours.

Weather Comments:

Other Remarks:

DIRECTIONS: FROM ANDREWS TAKE HIGHWAY 176 EAST FOR 9 MILES, TURN LEFT (NORTH) ON HIGHWAY 1788, TRAVEL 5 MILES TO RIG SIGN ON THE RIGHT, FOLLOW THE RIG SIGNS ON LEASE ROAD TO LOCATION

OXY DSM TRAILER NUMBER : (432) 253 - 7934
LEADER HES:CHARLES BULLARD (432) 894-3769

LIFE FLIGHT COORDINATES FOR STATE RUBY GRACE #11: LATITUDE = 32º 23' 47.78 N, LONGITUDE = 102º 24' 31.10 W

SAFETY TOPIC OF THE DAY: USING THE MAN BASKET FOR RIGGING UP, PROPER HAND SIGNALS

DAYS WORKED WITH NO LTI: 3
DAYS WORKED SINCE LAST RI: 3

STOP CARDS: 10
SWA: 0
NEAR MISSES: 0
JSA's: 15
SAFETY MEETINGS: 17
LO/TO's: 2
PERMITS TO WORK: 5
POWER LINE CHECKLISTS: 0
PRE-SPUD RIG INSPECTIONS: 0
HAZARD ID's: 0
EP2 OBSERVATIONS: 0

BEST STOP CARD: OBSERVED A MAN PLACING HIS HANDS IN A PINCH POINT, STOPPED THE JOB AND EXPLAINED THE HAZARDS, WORKER COMPLIED AND WORK CONTINUED WITHOUT INCIDENT

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/06/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	3

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	H&P 349	**Ref Datum:**	Original KB @3,069.80ft	**DFS:**	1.00
Today's MD:	648 ft	**Progress:**	648 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$52,914
Prev MD:	0 ft	**Rot Hrs Today:**	6.00 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$195,961
PBMD:		**Avg ROP Today:**	108.0 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,399,597

Current Formation: @ **Lithology:**

Current Ops:

24-Hr Summary: FUNCTION TEST PUMPS, RIG UP FILL-UP LINE, RIG UP MISC. EQUIPMENT, CONDUCT PRE-SPUD INSPECTION, STRAP BHA, HELD PRE-S

24-Hr Forecast: DRILL 12 1/4" SURFACE HOLE TO 1768', CIRCULATE, TRIP OUT OF HOLE, RIG UP AND RUN 9 5/8" CASING, CEMENT CASING, INSTALL WE

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:		**Str Wt Up/Dn:**	62.0/ 58.0 kip	**Pump Rate:**	633.1	**Conn:**	0	0
Next Casing:		**Str Wt Rot:**	59.0 kip	**Pump Press:**	1250	**Trip:**		
Last BOP Press Test:		**Torq Off Btm:**	1,000.0 ft-lbf			**Backgr:**	0	0
Form Test/EMW:		**Torq On Btm:**	4,600.0 ft-lbf					

PERSONNEL

Supervisor 1:	DELBERT WILLEFORD
Supervisor 2:	EDDIE DOSSEY
Engineer:	DANIEL COOK
Geologist:	
Oxy Personnel:	2
Contractor Personnel:	20
Total on Site:	22

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build
500.0	0.90	0.00	499.93	8.5	0.0	8.5	0.04	-0.04
251.0	1.00	0.00	250.96	4.4	0.0	4.4	0.00	0.00
0.0	1.00	0.00	0.00	0.0	0.0	0.0	0.00	0.00

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
1	12.250	CAPROCK BITS	616-SR9	39380		9x10	57		- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI
1	6.00	6.00	591	591	98.5	98.5	10.0/15.0	100/110	0.690	643	294.3	2.0

MUD DATA -

Engineer:		**MBT:**	
Sample From:		**pH:**	
Mud Type:		**Pm / Pom:**	
Time / MD:	/	**Pf / Mf:**	/
Density @ Temp:	/	**Chlorides:**	
Rheology Temp:		**Ca+ / K+:**	/
Viscosity:		**CaCl2:**	
PV / YP:	/	**Clom:**	
Gels 10s/10m/30m:	/ /	**Lime:**	
API WL:		**ES:**	
HTHP WL:		**ECD:**	
Cake API / HTHP:	/	**n / K:**	/
Solids / Sol Corr:	/	**Carbonate:**	
Oil / Water:	/	**Bicarbonate:**	
Sand:		**Form Loss:**	0.0 / 0.0
Water Added:		**Fluid Disch:**	/
Oil Added:			
LGS:	/		

VG Meter:

Comments:

LAST OR CURRENT BHA

BHA No: 1 Bit No: 1 MD In: 57 ft

Purpose: DRILL SURFACE HOLE MD Out:

Component	OD	ID	Jts	Length
PDC BIT	12.250		1	1.00
SHOCK SUB	8.000	2.750	1	12.75
TELEDRIFT	8.000		1	4.92
INTEGRAL BLADE STABILIZER	8.125	2.875	1	7.63
SPIRAL DRILL COLLAR	8.000	2.875	1	31.06
INTEGRAL BLADE STABILIZER	8.250	2.625	1	6.26
SPIRAL DRILL COLLAR	8.000	2.875	1	31.62
CROSSOVER	6.500	2.400	1	3.64
SPIRAL DRILL COLLAR	6.500	2.750	1	29.02
SPIRAL DRILL COLLAR	6.500	2.750	1	30.11
SPIRAL DRILL COLLAR	6.500	2.750	1	31.24
SPIRAL DRILL COLLAR	6.500	2.750	1	31.17
SPIRAL DRILL COLLAR	6.500	2.750	1	30.62

Total Length: 648.46 ft **Wt below Jars:**

MUD PRODUCTS

Product	Units	Qty Used

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING | STATE RUBY GRACE 11 | **Date:** 01/06/2013

Prim. Reason: ORIG DRILL VERT | USA | **Report No:** 3

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	3:00	3.00	01MIRU	LOCMOV	RU	P	FUNCTION TEST MUD PUMPS, RIG UP FILL-UP LINE TO CONDUCTOR
3:00	6:00	3.00	01MIRU	LOCMOV	RU	P	RIG UP MISC. EQUIPMENT, INSTALL ENTRANCE GATE, PERFORM PRE-SPUD DROPPED OBJECTS CHECKLIST, PERFORM PRE-SPUD INSPECTION
6:00	14:30	8.50	01MIRU	LOCMOV	RU	P	STRAP BHA, PREPARE TO SPUD, TEST MUD LINES TO 3500 PSI FOR 5 MINUTES, INSTALL FLOW SENSOR, RIG ACCEPTED @ 14:30 HOURS
14:30	18:00	3.50	14SUDR	DRILL	ROTVER	P	HELD PRE-SPUD SAFETY MEETING WITH OXY REPRESENTATIVE AND RIG CREW, MAKE UP 12 1/4" BIT, TRIP IN HOLE AND TAG CEMENT AT 57'
18:00	0:00	6.00	14SUDR	DRILL	ROTVER	P	DRILL 12-1/4" SURFACE HOLE FROM 57' TO 648' (100 FPH AVG ROP ON BTM) USING 650 GPM, 1250 PSI, 110 RPM, 15 WOB, 4500 TRQ, AVG/MAX/CONNECTION GAS = 0, ADD 1 TO 2 SOAP STICKS EACH CONNECTION TO SWEEP HOLE, ADD 1 FED FLOC EVERY 6 HOURS AND 1 RAPID SWEEP EVERY 90'
Total Time		24.00					

Safety Incident? N **Days since Last RI:**

Environ Incident? N **Days since LTA:**

Incident Comments:
No incidents reported last 24 hours.

Weather Comments:

Other Remarks:

DIRECTIONS: FROM ANDREWS TAKE HIGHWAY 176 EAST FOR 9 MILES, TURN LEFT (NORTH) ON HIGHWAY 1788, TRAVEL 5 MILES TO RIG SIGN ON THE RIGHT, FOLLOW THE RIG SIGNS ON LEASE ROAD TO LOCATION

OXY DSM TRAILER NUMBER : (432) 253 - 7934
LEADER HES:CHARLES BULLARD (432) 894-3769

LIFE FLIGHT COORDINATES FOR STATE RUBY GRACE #11: LATITUDE = 32º 23' 47.78 N, LONGITUDE = 102º 24' 31.10 W

SAFETY TOPIC OF THE DAY: PICKING UP BHA, PINCH POINTS AND TRIP HAZARDS

DAYS WORKED WITH NO LTI: 4
DAYS WORKED SINCE LAST RI: 4

STOP CARDS: 10
SWA: 0
NEAR MISSES: 0
JSA's: 16
SAFETY MEETINGS: 17
LO/TO's: 4
PERMITS TO WORK: 7
POWER LINE CHECKLISTS: 0
PRE-SPUD RIG INSPECTIONS: 1
HAZARD ID's: 2
EP2 OBSERVATIONS: 0

BEST STOP CARD: OBSERVED A WORKER NOT BENDING HIS KNEES WHILE PULLING THE SLIPS, STOPPED THE JOB AND EXPLAINED THE HAZARDS, WORKER COMPLIED AND WORK CONTINUED WITHOUT INCIDENT

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/07/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	4

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	H&P 349	**Ref Datum:**	Original KB @3,069.80ft	**DFS:**	2.00
Today's MD:	1768 ft	**Progress:**	1120 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$55,100
Prev MD:	648 ft	**Rot Hrs Today:**	10.00 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$255,320
PBMD:		**Avg ROP Today:**	112.0 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,399,597

Current Formation: @ **Lithology:**

Current Ops:

24-Hr Summary: DRILL 12 1/4" HOLE FROM 648' TO 1768', CIRCULATE, TRIP OUT OF HOLE, RIG UP CRT, RUN IN HOLE WITH 9 5/8" CASING

24-Hr Forecast: (ROL 01/04/2013, RR 01/18/2013) RUN 9 5/8" CASING, CEMENT, INSTALL WELLHEAD, NIPPLE UP BOP, PRESSURE TEST

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:	16.000in @ 57ft	**Str Wt Up/Dn:**	76.0/ 74.0 kip	**Pump Rate:**	703.5	**Conn:**	0	0
Next Casing:	9.625in @ 1,768ft	**Str Wt Rot:**	75.0 kip	**Pump Press:**	1900	**Trip:**	0	0
Last BOP Press Test:		**Torq Off Btm:**	1,000.0 ft-lbf			**Backgr:**	0	0
Form Test/EMW:		**Torq On Btm:**	7,000.0 ft-lbf					

PERSONNEL

Supervisor 1:	DELBERT WILLEFORD
Supervisor 2:	EDDIE DOSSEY
Engineer:	DANIEL COOK
Geologist:	
Oxy Personnel:	2
Contractor Personnel:	13
Total on Site:	15

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build
1,768.0	0.20	0.00	1,767.85	21.3	0.0	21.3	0.04	-0.04
1,500.0	0.30	0.00	1,499.85	20.1	0.0	20.1	0.08	0.08
1,370.0	0.20	0.00	1,369.85	19.5	0.0	19.5	0.19	-0.19
1,011.0	0.90	0.00	1,010.87	16.1	0.0	16.1	0.04	0.04
750.0	0.80	0.00	749.90	12.2	0.0	12.2	0.04	-0.04
500.0	0.90	0.00	499.93	8.5	0.0	8.5	0.04	-0.04

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
1	12.250	CAPROCK BITS	616-SR9	39380	M323	9x10	57	1768	1-1-NO-H	I-NO-TD

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI
1	10.00	16.00	1120	1711	112.0	106.9	24.0/25.0	120/125	0.690	796	325.3	2.8

MUD DATA - M-I SWACO

Engineer:	Keith Smith	**MBT:**	0.0 lbm/bbl
Sample From:	IN	**pH:**	8.0
Mud Type:	FW	**Pm / Pom:**	0.00
Time / MD:	18:00 / 1,768.0	**Pf / Mf:**	0.5 / 1.6
Density @ Temp:	9.40 / 80	**Chlorides:**	1,000
Rheology Temp:	120	**Ca+ / K+:**	80 / 0
Viscosity:	32.00	**CaCl2:**	0.00
PV / YP:	4 / 6	**Clom:**	0.49
Gels 10s/10m/30m:	5 / 8 / 11	**Lime:**	0.00
API WL:	8.00	**ES:**	501.10
HTHP WL:	0.00	**ECD:**	9.40
Cake API / HTHP:	1.0 / .0	**n / K:**	0.00 / 0.000
Solids / Sol Corr:	0.00 /	**Carbonate:**	10 ppm
Oil / Water:	0.0 / 0.0	**Bicarbonate:**	
Sand:	0.05	**Form Loss:**	/ 0.0
Water Added:	0.0 bbl	**Fluid Disch:**	/
Oil Added:			
LGS:	1.50 / 13.30		

VG Meter: 2@3 / 3@6 / 6@100 / 8@200 / 10@300 / 14@600

Comments:

LAST OR CURRENT BHA

BHA No: 1 Bit No: 1 MD In: 57 ft

Purpose: DRILL SURFACE HOLE MD Out: 1768 ft

Component	OD	ID	Jts	Length
PDC BIT	12.250		1	1.00
SHOCK SUB	8.000	2.750	1	12.75
TELEDRIFT	8.000		1	4.92
INTEGRAL BLADE STABILIZER	8.125	2.875	1	7.63
SPIRAL DRILL COLLAR	8.000	2.875	1	31.06
INTEGRAL BLADE STABILIZER	8.250	2.625	1	6.26
SPIRAL DRILL COLLAR	8.000	2.875	1	31.62
CROSSOVER	6.500	2.400	1	3.64
SPIRAL DRILL COLLAR	6.500	2.750	1	29.02
SPIRAL DRILL COLLAR	6.500	2.750	1	30.11
SPIRAL DRILL COLLAR	6.500	2.750	1	31.24
SPIRAL DRILL COLLAR	6.500	2.750	1	31.17
SPIRAL DRILL COLLAR	6.500	2.750	1	30.62

Total Length: 648.46 ft **Wt below Jars:**

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Engineering Service	Each	1.00
Fed Floc	each	2.00
Federal Bentonite	Bag,100 lb	27.00
Mi-wate	each	27.00
My-Lo-Jel	Bag, 50 lb	44.00
Pecan Nut Plug Medium	Bag, 50 lb	10.00
Rapid Sweep Sticks	each	1.00
Soap Stick	Each	90.00
Soda Ash	Bag, 50 lb	4.00

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING | STATE RUBY GRACE 11 | **Date:** 01/07/2013

Prim. Reason: ORIG DRILL VERT | USA | **Report No:** 4

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
			14SUDR			P	
0:00	2:00	2.00	14SUDR	DRILL	ROTVER	P	DRILL 12-1/4" SURFACE HOLE FROM 648' TO 900' (126 FPH AVG ROP ON BTM) USING 650 GPM, 1290 PSI, 110 RPM, 15 WOB, 4500 TRQ, AVG/MAX/CONNECTION GAS = 0, ADD 1 TO 2 SOAP STICKS EACH CONNECTION TO SWEEP HOLE, ADD 1 FED FLOC EVERY 6 HOURS AND 1 RAPID SWEEP EVERY 90' BEGIN CIRCULATING STEEL PITS AT 900' HELD SAFETY BRAKE AT 02:00 HRS. SURVEY AT 759' = .8 DEGREE
2:00	6:00	4.00	14SUDR	DRILL	ROTVER	P	DRILL 12-1/4" SURFACE HOLE FROM 900' TO 1460' (140 FPH AVG ROP ON BTM) USING 660 GPM, 1460 PSI, 130 RPM, 15 WOB, 7100 TRQ, AVG/MAX/CONNECTION GAS = 0 ADD 40 SKS WHITE STARCH TO PIT VOLUME RAISE PH TO 9, MUD WEIGHT 8.5 TO 9.2 AND VISCOSITY TO 32/45 “HAD HEAVY CUTTINGS RETURNS INCREASE APPROXIMATELY 2” DEEP COVERING ALL SHAKERS WITH PILLS TO SURFACE” SURVEY AT 1011' = .9 DEGREE SURVEY AT 1370' = .2 DEGREE
6:00	10:00	4.00	14SUDR	DRILL	ROTVER	P	DRILL 12-1/4" SURFACE HOLE FROM 1460' TO 1768' (77 FPH AVG ROP ON BTM) USING 700 GPM, 1800 PSI, 130 RPM, 15 WOB, 7100 TRQ, AVG/MAX/CONNECTION GAS = 0 MUD WEIGHT 8.5 TO 9.2 AND VISCOSITY TO 32/45 “HAD HEAVY CUTTINGS RETURNS INCREASE APPROXIMATELY 2” DEEP COVERING ALL SHAKERS WITH PILLS TO SURFACE”
10:00	12:00	2.00	14SUDR	DRILL	ROTVER	P	PUMP SWEEPS AND CIRCULATE HOLE CLEAN SAFETY BREAK: CIRCULATING AND MIXING CHEMICALS
12:00	15:30	3.50	14SUDR	TRIP	DRILL	P	TRIP OUT OF HOLE 40K OVERPULL MAKE UP TOP DRIVE AND BACK REAM UOUT OF HOLE FROM 1768'TO 650' RPM 30, GPM 100, PSI 250
15:30	16:30	1.00	14SUDR	RIGMT	SRVRIG	P	CHANGE OUT SLIP AND ST-80 DIES SAFETY BREAK: WORKING ON SLIP DIES
16:30	22:00	5.50	14SUDR	TRIP	DRILL	P	TRIP OUT OF HOLE 40K OVERPULL MAKE UP TOP DRIVE AND BACK REAM OUT OF HOLE FROM 650' TO SURFACE RPM 30, GPM 100, PSI 250 CLEAN CLAY FROM STABILIZERS AND BIT HELD SAFETY BRAKE AT 22:00: DISCUSSED HAND AND FINGER PLACEMENT
22:00	22:30	0.50	14SUDR	CSG	RIGUP	P	REVIEWED JSA AND HELD SAFETY MEETING, RIG UP CRT
22:30	0:00	1.50	14SUDR	CSG	RUNCSG	P	RUN IN HOLE WITH 9 5/8", 36.0 PPF, J-55 LTC, CASING AS FOLLOWS: 9.625" WEATHERFORD FLOAT SHOE FROM 1768'' TO 1766.50' 1 - JOINTS 9.625", 36.0 PPF, J-55, LTC CASING FROM 1766.50' TO 1723.66’. 9.625" WEATHERFORD FLOAT COLLAR FROM 1723.66' TO 1721.66' 42 - JOINTS 9.625", 36.0 PPF, J-55, LTC CASING FROM 1721.66' TO SURFACE TORQUE J-55 CASING TO 4530 FT/LBS. THREAD LOCK CASING THROUGH FLOAT COLLAR. CENTRALIZER'S - ONE CENTRALIZER ON STOP RING 10' ABOVE SHOE, ONE CENTRALIZER ON COUPLING ABOVE FLOAT COLLAR CENTRALIZER EVERY THIRD JOINT TO SURFACE BREAK CIRCULATION AFTER PICKING UP FLOAT AND SHOE. CIRCULATE BOTTOM'S UP AT 879'
Total Time		24.00					

Safety Incident? N **Days since Last RI:**

Environ Incident? N **Days since Last LTA:**

Incident Comments:
No incidents reported last 24 hours.

Weather Comments:

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11	**Date:**	01/07/2013
Prim. Reason:	ORIG DRILL VERT	USA	**Report No:**	4

Other Remarks:

DIRECTIONS: FROM ANDREWS TAKE HIGHWAY 176 EAST FOR 9 MILES, TURN LEFT (NORTH) ON HIGHWAY 1788, TRAVEL 5 MILES TO RIG SIGN ON THE RIGHT, FOLLOW THE RIG SIGNS ON LEASE ROAD TO LOCATION

OXY DSM TRAILER NUMBER : (432) 253 - 7934
LEADER HES:CHARLES BULLARD (432) 894-3769

LIFE FLIGHT COORDINATES FOR STATE RUBY GRACE #11: LATITUDE = 32º 23' 47.78 N, LONGITUDE = 102º 24' 31.10 W

SAFETY TOPIC OF THE DAY: PINCH POINTS AND BODY POSITIONING

DAYS WORKED WITH NO LTI: 5
DAYS WORKED SINCE LAST RI: 5

STOP CARDS: 10
SWA: 0
NEAR MISSES: 0
JSA's: 16
SAFETY MEETINGS: 16
LO/TO's: 1
PERMITS TO WORK: 3
POWER LINE CHECKLISTS: 0
PRE-SPUD RIG INSPECTIONS: 0
HAZARD ID's: 1
EP2 OBSERVATIONS: 0

BEST STOP CARD: OBSERVED A MAN STANDING IN A PINCH POINT BETWEEN THE DERRICK LEG AND A DRILL COLLAR, STOPPED THE JOB AND EXPLAINED THE HAZARDS, WORKER COMPLIED AND WORK CONTINUED WITHOUT INCIDENT

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/08/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	5

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	H&P 349	**Ref Datum:**	Original KB @3,069.80ft	**DFS:**	3.00
Today's MD:	1768 ft	**Progress:**	0 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$32,362
Prev MD:	1768 ft	**Rot Hrs Today:**		**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$287,682
PBMD:		**Avg ROP Today:**	0.0 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,399,597

Current Formation: @ **Lithology:**

Current Ops:

24-Hr Summary:

24-Hr Forecast:

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:	16.000in @ 57ft	**Str Wt Up/Dn:**	/	**Pump Rate:**	0.0	**Conn:**		
Next Casing:	9.625in @ 1,768ft	**Str Wt Rot:**		**Pump Press:**	0	**Trip:**		
Last BOP Press Test:		**Torq Off Btm:**				**Backgr:**		
Form Test/EMW:		**Torq On Btm:**						

PERSONNEL

Supervisor 1:	DELBERT WILLEFORD
Supervisor 2:	EDDIE DOSSEY
Engineer:	DANIEL COOK
Geologist:	
Oxy Personnel:	2
Contractor Personnel:	13
Total on Site:	15

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build
1,768.0	0.20	0.00	1,767.85	21.3	0.0	21.3	0.04	-0.04
1,500.0	0.30	0.00	1,499.85	20.1	0.0	20.1	0.08	0.08
1,370.0	0.20	0.00	1,369.85	19.5	0.0	19.5	0.19	-0.19
1,011.0	0.90	0.00	1,010.87	16.1	0.0	16.1	0.04	0.04
750.0	0.80	0.00	749.90	12.2	0.0	12.2	0.04	-0.04
500.0	0.90	0.00	499.93	8.5	0.0	8.5	0.04	-0.04

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
1	12.250	CAPROCK BITS	616-SR9	39380	M323	9x10	57	1768	1-1-NO-H	I-NO-TD

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI

MUD DATA -

Engineer:		**MBT:**	
Sample From:		**pH:**	
Mud Type:		**Pm / Pom:**	
Time / MD:	/	**Pf / Mf:**	/
Density @ Temp:	/	**Chlorides:**	
Rheology Temp:		**Ca+ / K+:**	/
Viscosity:		**CaCl2:**	
PV / YP:	/	**Clom:**	
Gels 10s/10m/30m:	/ /	**Lime:**	
API WL:		**ES:**	
HTHP WL:		**ECD:**	
Cake API / HTHP:	/	**n / K:**	/
Solids / Sol Corr:	/	**Carbonate:**	
Oil / Water:	/	**Bicarbonate:**	
Sand:		**Form Loss:**	/ 0.0
Water Added:		**Fluid Disch:**	/
Oil Added:			
LGS:	/		

VG Meter:

Comments:

MUD PRODUCTS

Product	Units	Qty Used

LAST OR CURRENT BHA

BHA No: 1 Bit No: 1 MD In: 57 ft

Purpose: DRILL SURFACE HOLE MD Out: 1768 ft

Component	OD	ID	Jts	Length
PDC BIT	12.250		1	1.00
SHOCK SUB	8.000	2.750	1	12.75
TELEDRIFT	8.000		1	4.92
INTEGRAL BLADE STABILIZER	8.125	2.875	1	7.63
SPIRAL DRILL COLLAR	8.000	2.875	1	31.06
INTEGRAL BLADE STABILIZER	8.250	2.625	1	6.26
SPIRAL DRILL COLLAR	8.000	2.875	1	31.62
CROSSOVER	6.500	2.400	1	3.64
SPIRAL DRILL COLLAR	6.500	2.750	1	29.02
SPIRAL DRILL COLLAR	6.500	2.750	1	30.11
SPIRAL DRILL COLLAR	6.500	2.750	1	31.24
SPIRAL DRILL COLLAR	6.500	2.750	1	31.17
SPIRAL DRILL COLLAR	6.500	2.750	1	30.62

Total Length: 648.46 ft **Wt below Jars:**

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/08/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	5

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	6:00	6.00	14SUDR	CSG	RUNCSG	P	CONTINUE TO RUN IN HOLE WITH 9 5/8" CASING TO 1164' HELD SAFETY BRAKE AT 02:00: DISCUSSED WORKING WITH NEW CREW MEMBERS HELD SAFETY BRAKE AT 04:00: DISCUSSED BODY POSTURE AND LIFTING TECHNIQUE
Total Time		6.00					

Safety Incident? N **Days since Last RI:**

Environ Incident? N **Days since Last LTA:**

Incident Comments:
No incidents reported last 24 hours.

Weather Comments:

Other Remarks:

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/09/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	6

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	H&P 349	**Ref Datum:**	Original KB @3,069.80ft	**DFS:**	4.00
Today's MD:	1768 ft	**Progress:**	0 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$92,391
Prev MD:	1768 ft	**Rot Hrs Today:**		**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$387,748
PBMD:		**Avg ROP Today:**	0.0 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,399,597

Current Formation: @ **Lithology:**

Current Ops:

24-Hr Summary: RIGGED UP BOPE, MADE REPAIRS TO MUD PUMPS & MISCELLANEOUS EQUIPMENT, TEST BOP'S PREPARE TO P/U 8.75 BHA & TIH

24-Hr Forecast: (RR 01/19/13 - ROL 01/20/13) P/U 8.75 BHA, TIH, TEST CASING, PERFORM CHOKE DRILL, DRILL OUT CEMENT FLOAT EQUIP & 10' OF NEW

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:	16.000in @ 57ft	**Str Wt Up/Dn:**	/	**Pump Rate:**	0.0	**Conn:**		
Next Casing:	9.625in @ 1,768ft	**Str Wt Rot:**		**Pump Press:**	0	**Trip:**		
Last BOP Press Test:	01/09/2013	**Torq Off Btm:**				**Backgr:**		
Form Test/EMW:		**Torq On Btm:**						

PERSONNEL

Supervisor 1:	JOEL OWEN
Supervisor 2:	
Engineer:	DANIEL COOK
Geologist:	
Oxy Personnel:	2
Contractor Personnel:	13
Total on Site:	15

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build
1,768.0	0.20	0.00	1,767.85	21.3	0.0	21.3	0.04	-0.04
1,500.0	0.30	0.00	1,499.85	20.1	0.0	20.1	0.08	0.08
1,370.0	0.20	0.00	1,369.85	19.5	0.0	19.5	0.19	-0.19
1,011.0	0.90	0.00	1,010.87	16.1	0.0	16.1	0.04	0.04
750.0	0.80	0.00	749.90	12.2	0.0	12.2	0.04	-0.04
500.0	0.90	0.00	499.93	8.5	0.0	8.5	0.04	-0.04

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
									- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI

MUD DATA - M-I SWACO

Engineer:	Brent Troyer	**MBT:**	0.0 lbm/bbl
Sample From:	In	**pH:**	7.5
Mud Type:	FW	**Pm / Pom:**	0.00
Time / MD:	18:00 / 1,768.0	**Pf / Mf:**	0.1 / 0.2
Density @ Temp:	8.40 / 45	**Chlorides:**	1,700
Rheology Temp:	120	**Ca+ / K+:**	160 / 0
Viscosity:	27.00	**CaCl2:**	0.00
PV / YP:	1 / 1	**Clom:**	0.00
Gels 10s/10m/30m:	1 / 1 / 1	**Lime:**	0.00
API WL:	45.00	**ES:**	0.00
HTHP WL:	0.00	**ECD:**	0.00
Cake API / HTHP:	.0 / .0	**n / K:**	0.00 / 0.000
Solids / Sol Corr:	0.10 / 0.00	**Carbonate:**	2 ppm
Oil / Water:	0.0 / 99.5	**Bicarbonate:**	0 ppm
Sand:	0.02	**Form Loss:**	0.0 / 0.0
Water Added:	0.0 bbl	**Fluid Disch:**	/
Oil Added:			
LGS:	0.40 / 3.60		

VG Meter: 1@3 / 1@6 / 1@100 / 1@200 / 2@300 / 3@600

Comments: In the last 24 hrs rig crew and Express Energy have been repairing BOP and rig componenets. once finished repairing

LAST OR CURRENT BHA

Component	OD	ID	Jts	Length

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Engineering Service	Each	1.00

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING | STATE RUBY GRACE 11 | **Date:** 01/09/2013

Prim. Reason: ORIG DRILL VERT | USA | **Report No:** 6

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	6:00	6.00	14SUDR	BOP	RUBOP	P	NIPPLE UP BOPE,FUNCTION TEST BOPE,RIG UP FLOW LINE AND CHOKE MANIFOLD. SAFETY BREAK AT 0200 HRS.: WORKING IN COLD WET WEATHER
6:00	7:30	1.50	14SUDR	BOP	RUBOP	P	FUNCTION TEST BOPE, (HCR, BLINDS, & PIPE RAMS) @ ALL REMOTE STATIONS AND KOOMY UNIT GOOD TEST.
7:30	8:00	0.50	14SUDR	CSG	RIGUP	P	HELD PJSM W/ CREWS R/D CRT TOOL
8:00	11:30	3.50	14SUDR	BOP	RUBOP	P	FUNCTION TEST HYDRILL, INSTALL VALVE HANDLES ON MANIFOLD & STACK, INSPECT KOOMY UNIT, CVHARGE NITROGEN BOTTLES TO PROPER WORKING PRESSURE SAFETY BREAK: PROPER TOOLS FOR THE JOB
11:30	12:00	0.50	14SUDR	RIGMT	SRVRIG	P	PERFORM RIG SERVICE
12:00	15:00	3.00	14SUDR	RIGMT	REP	PT	TROUBLE SHOOT MUD PUMPS UNABLE TO PRESSURE UP, TORE DOWN PUMPS CLEANED LCM AND TRASH OUT
15:00	17:00	2.00	14SUDR	BOP	TSTBOP	PT	INSTALL TEST PLUG & TEST BOPE AS FOLLOWS: BLIND RAMS TO OUTSIDE CHOKE = 250 LOW, 1500 HIGH 5 MIN CHOKE'S TO BLINDS = 250 LOW, 1500 HIGH 5 MIN PIPE RAMS, HCR & INSIDE KILL = 250 LOW, 1500 HIGH 5 MIN NOTE: IT WAS FOUND WHILE TESTING THAT THE HCR VALVE HAD NOT BEEN INSTALLED PROPERLY AND WOULD HAVE TO BE REINSTALLED SAFETY BREAK: WORKING IN BAD WEATHER
17:00	21:30	4.50	14SUDR	BOP	RUBOP	PT	REINSTALL HCR VALVE & CONTINUE TESTING BOPE AS FOLLOWS: TEST PIPE RAMS, HCR & OUTSIDE KILL, 250 LOW, 1500 HIGH TEST CHOKE LINE MANUAL & INSIDE KILL, 250 LOW, 1500 HIGH FINISHED TEST VALVES & LINES BACK TO PUMP 250 LOW, 2500 HIGH NOTE: CHANGED OUT CHARGEING PUMP ON MUD PUMP #1 WHILE TESTING SAFETY: BREAK HANDLING BHA
21:30	0:00	2.50	14SUDR	BOP	RDBOP	PT	CHANGE HYDRO LINES ON HCR, LAY OUT TEST JOINT & PLUG, P/U & INSTALL WEAR BUSHING, STRAP TALLY & PREPARE TO P/U 8.75 BHA, FINISHED CHANGEING OUT CHARGEING PUMP, CHANGE OUT SHAKER SCREENS, PREPARE TO P/U BHA
Total Time		24.00					

Safety Incident? N **Days since Last RI:**

Environ Incident? N **Days since Last LTA:**

Incident Comments:
No incidents reported last 24 hours.

Weather Comments:

Other Remarks:

DIRECTIONS: FROM ANDREWS TAKE HIGHWAY 176 EAST FOR 9 MILES, TURN LEFT (NORTH) ON HIGHWAY 1788, TRAVEL 5 MILES TO RIG SIGN ON THE RIGHT, FOLLOW THE RIG SIGNS ON LEASE ROAD TO LOCATION

OXY DSM TRAILER NUMBER : (432) 253 - 7934
LEADER HES:CHARLES BULLARD (432) 894-3769

LIFE FLIGHT COORDINATES FOR STATE RUBY GRACE #11: LATITUDE = 32º 23' 47.78 N, LONGITUDE = 102º 24' 31.10 W

SAFETY TOPIC OF THE DAY: HAND PLACEMENT

DAYS WORKED WITH NO LTI: 6
DAYS WORKED SINCE LAST RI: 6

STOP CARDS: 12
SWA: 0
NEAR MISSES: 0
JSA's: 13
SAFETY MEETINGS: 12
LO/TO's: 1
PERMITS TO WORK: 4
POWER LINE CHECKLISTS: 0
PRE-SPUD RIG INSPECTIONS: 0
HAZARD ID's: 1
EP2 OBSERVATIONS: 0

BEST STOP CARD: HAND WAS OBSERVED COMING DOWN STAIRS FROM RIG FLOOR NOT USING THREE POINT CONTACT, STOPPED HIM EXPLAINED THE HAZARDS AND COMPANY POLICY HE COMPLIED & JOB CONTINUE WITHOUT INCIDENT

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/10/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	7

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	H&P 349	**Ref Datum:**	Original KB @3,069.80ft	**DFS:**	5.00
Today's MD:	2010 ft	**Progress:**	242 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$40,108
Prev MD:	1768 ft	**Rot Hrs Today:**	3.00 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$534,683
PBMD:		**Avg ROP Today:**	80.7 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,399,597

Current Formation: RUSTLER@ **Lithology:**

Current Ops:

24-Hr Summary: PICK UP BHA #2,TRIP IN HOLE,TAG CEMENT,TEST SURFACE CASING,DRILL SHOE TRACK & 10' FORMATION,TEST FORMATION & DRILL

24-Hr Forecast: CONTINUE TO DRILL 8 3/4" PRODUCTION HOLE TO 4,750'

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:	16.000in @ 57ft	**Str Wt Up/Dn:**	92.0/ 85.0 kip	**Pump Rate:**	497.1	**Conn:**		
Next Casing:	9.625in @ 1,768ft	**Str Wt Rot:**	85.0 kip	**Pump Press:**	680	**Trip:**		
Last BOP Press Test:	01/09/2013	**Torq Off Btm:**	2,300.0 ft-lbf			**Backgr:**		
Form Test/EMW:	FIT / 12.50 ppg	**Torq On Btm:**	5,800.0 ft-lbf					

PERSONNEL

Supervisor 1:	JOEL OWEN
Supervisor 2:	STONEY RABORN
Engineer:	DANIEL COOK
Geologist:	
Oxy Personnel:	2
Contractor Personnel:	13
Total on Site:	15

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build
2,167.0	0.20	0.00	2,166.85	22.7	0.0	22.7	0.00	0.00
1,768.0	0.20	0.00	1,767.85	21.3	0.0	21.3	0.04	-0.04
1,500.0	0.30	0.00	1,499.85	20.1	0.0	20.1	0.08	0.08
1,370.0	0.20	0.00	1,369.85	19.5	0.0	19.5	0.19	-0.19
1,011.0	0.90	0.00	1,010.87	16.1	0.0	16.1	0.04	0.04
750.0	0.80	0.00	749.90	12.2	0.0	12.2	0.04	-0.04

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
2	8.750	CAPROCK BITS	616-YR	39627	M223	6x16	1768		- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI
2	3.00	3.00	242	242	80.7	80.7	12.0/16.0	40/85	1.178	138	135.4	0.7

MUD DATA - M-I SWACO

Engineer:	Brent Troyer	**MBT:**	0.0 lbm/bbl
Sample From:	In	**pH:**	7.5
Mud Type:	FW	**Pm / Pom:**	0.00
Time / MD:	9:00 / 1,768.0	**Pf / Mf:**	0.1 / 0.2
Density @ Temp:	8.40 / 55	**Chlorides:**	1,300
Rheology Temp:	120	**Ca+ / K+:**	160 / 0
Viscosity:	27.00	**CaCl2:**	0.00
PV / YP:	1 / 1	**Clom:**	0.00
Gels 10s/10m/30m:	1 / 1 / 1	**Lime:**	0.00
API WL:	45.00	**ES:**	0.00
HTHP WL:	0.00	**ECD:**	8.40
Cake API / HTHP:	.0 / .0	**n / K:**	0.00 / 0.000
Solids / Sol Corr:	0.10 / 0.00	**Carbonate:**	2 ppm
Oil / Water:	0.0 / 99.8	**Bicarbonate:**	0 ppm
Sand:	0.02	**Form Loss:**	0.0 / 0.0
Water Added:	0.0 bbl	**Fluid Disch:**	/
Oil Added:			
LGS:	0.40 / 3.90		

VG Meter: 1@3 / 1@6 / 1@100 / 1@200 / 2@300 / 3@600

Comments: In the last 24 hrs finished testing BOP with no reported problems. Once completed started running in hole with BHA

LAST OR CURRENT BHA

BHA No: 2 Bit No: 2 MD In: 1768 ft

Purpose: DRILL PRODUCTION HOLE MD Out:

Component	OD	ID	Jts	Length
HWDP	5.000	2.875	8	244.67
DRILLING JAR	6.250	2.875	1	32.42
HWDP	5.000	2.875	7	214.48
DRILL COLLAR	6.250	2.875	6	183.13
TELEDRIFT	6.500	2.875	1	4.47
INTEGRAL BLADE STABILIZER	8.500	2.875	1	5.50
DRILL COLLAR	6.125	2.875	1	30.13
INTEGRAL BLADE STABILIZER	8.500	2.875	1	4.91
DRILL COLLAR	6.250	2.875	1	31.29
SHOCK SUB	8.000	2.875	1	11.40
PDC BIT	8.750	2.875	1	1.00

Total Length: 763.40 ft **Wt below Jars:**

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Engineering Service	Each	1.00

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/10/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	7

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	4:00	4.00	14SURC	OTHR	OTHER	P	INSTALL WEAR BUSHING, MADE REPAIRS TO RIG FLOOR HOIST, INSTALL SCORPION ON RIG FLOOR, SAFETY BREAK: PROPER HAND & FOOT PLACEMENT
4:00	8:00	4.00	14SURC	WAIT	WOEQ	PT	BEGAN TO P/U BHA AND FOUND THAT THE FLOAT WOULD NOT FIT PROPERLY INTO THE SHOCK SUB, WAIT ON SHOCK SUB, INSTALL CHAINS AND TURN BUCKLES ON BOP STACK, BUILD MUD INSTALL ROT HEAD HOUSEING ON STACK, PERFORM MAINTANANCE ON RIG SAFETY BREAK: HANDLING BHA
8:00	9:30	1.50	14SURC	WAIT	WOEQ	PT	WHILE WAITING ON SHOCK SUB & FLOAT, CONTINUED MAINTENANCE ON RIG, RIGGED UP TRASH PUMPS CONTINUED BUILDING MUD, MADE REPAIRS TO CAT WALK REMOTE
9:30	14:30	5.00	14SURC	TRIP	BHA	P	P/U 8.75 PRODUCTION HOLE BHA AS FOLLOWS 8 3/4” PDC bit Cap Rock 6/16s 1 - Shock Sub (bored for float valve) 1 –6.5” DC 1 - Integral Blade Stabilizer (IBS) (1/8” UG) 1 – 6.5” DC 1 - Integral Blade Stabilizer (IBS) (1/8” UG) 1 - FloDrift Inc only tool 6 – 6 ½” Spiral DC 7 - 4 1/2” HWDP 1 – Drilling Jar 8 - 4 1/2” HWDP SAFETY BREAK: MIXING CHEMICALS
14:30	17:30	3.00	14SURC	TRIP	BHA	P	TEST FLODRIFT TOOL GOOD TEST, TIH, TAG TOC @ 1,689'
17:30	18:00	0.50	14SURC	OTHR	OTHER	P	TEST CASING @ 2100 PSI FOR 30 MINUTES (GOOD TEST), PERFORM CHOKE DRILL & BOP DRILL
18:00	20:00	2.00	14SURC	CMT	Other	P	DRILL CEMENT FROM 1,689' FLOAT, & SHOE TRACK TO 1,768'
20:00	20:30	0.50	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 1,768' TO 1,778' (10') FORMATION ,CIRCULATE HOLE CLEAN CHECKING MUD WEIGHT 8.4 PPG IN, 8.4 PPG. OUT SAFETY BREAK: PERFORMING FORMATION TEST
20:30	21:00	0.50	31PRDR	OTHR	OTHER	P	SHUT IN WELL, PERFORM FIT TO 12.5 PPG EMW WITH A 8.4 PMW WITH SURFACE PRESSURE AT 379 PSI.(TEST GOOD)
21:00	22:00	1.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 1,778' TO 1,800' 22' 22 FPH 40 RPM 10-15 WOB 478 GPM 571 PSI PUMPING VISCOUS SWEEPS AS NEEDED 22:00 HOUR SAFETY BREAK: SLIP HAZARDS
22:00	0:00	2.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 1800' TO 2010' 210' (105 FPH AVG ROP ON BTM) USING 550 GPM, 800 PSI, 80 RPM, 15 WOB, 5200 TRQ, PUMPING VISCOUS SWEEPS EVERY 90' AVG/MAX/CONNECTION GAS = 0
Total Time		24.00					

Safety Incident?	N	**Days since Last RI:**	7.00	**Weather Comments:**
Environ Incident?	N	**Days since Last LTA:**	7.00	

Incident Comments:
No incidents reported last 24 hours.

Other Remarks:

DIRECTIONS: FROM ANDREWS TAKE HIGHWAY 176 EAST FOR 9 MILES, TURN LEFT (NORTH) ON HIGHWAY 1788, TRAVEL 5 MILES TO RIG SIGN ON THE RIGHT, FOLLOW THE RIG SIGNS ON LEASE ROAD TO LOCATION

OXY DSM TRAILER NUMBER : (432) 253 - 7934
LEADER HES:CHARLES BULLARD (432) 894-3769

LIFE FLIGHT COORDINATES FOR STATE RUBY GRACE #11: LATITUDE = 32º 23' 47.78 N, LONGITUDE = 102º 24' 31.10 W

SAFETY TOPIC OF THE DAY: MAKING CONNECTIONS

DAYS WORKED WITH NO LTI: 7
DAYS WORKED SINCE LAST RI: 7

STOP CARDS: 10
SWA: 0
NEAR MISSES: 0
JSA's: 12
SAFETY MEETINGS: 6
LO/TO's: 1
PERMITS TO WORK: 2
POWER LINE CHECKLISTS: 0
PRE-SPUD RIG INSPECTIONS: 0
HAZARD ID's: 1
EP2 OBSERVATIONS: 0

BEST STOP CARD:OBSERVED EMPLOYEE ABOVE 4' WITHOUT BEING TIED OFF,TOLD HIM TO TIE OFF AND EXPLAINED THE HAZARD AND POLICY,THE JOB CONTINUED WITHOUT INCIDENT.

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/11/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	8

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	H&P 349	**Ref Datum:**	Original KB @3,069.80ft	**DFS:**	6.00
Today's MD:	4402 ft	**Progress:**	2392 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$35,574
Prev MD:	2010 ft	**Rot Hrs Today:**	22.50 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$570,258
PBMD:		**Avg ROP Today:**	106.3 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,399,597

Current Formation: QUEEN@ **Lithology:**

Current Ops:

24-Hr Summary: DRILL 8 3/4" PRODUCTION HOLE FROM 2,010' TO 4,402', 2,392' @ 106 FPH, TOP DRIVE WENT DOWN,WAITED ON ELECTRICIAN.

24-Hr Forecast: (RR 01/21/2013- ROL 01/22/2013) DRILL 8 3/4" PRODUCTION HOLE DISPLACING MUD SYSTEM WITH GEL MUD,CONTINUE TO DRILL 8 3/4"

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:	9.625in @ 1,768ft	**Str Wt Up/Dn:**	121.0/ 114.0 kip	**Pump Rate:**	548.7	**Conn:**	0	0
Next Casing:	9.625in @ 1,768ft	**Str Wt Rot:**	116.0 kip	**Pump Press:**	1250	**Trip:**	0	0
Last BOP Press Test:	01/09/2013	**Torq Off Btm:**	2,300.0 ft-lbf			**Backgr:**	0	0
Form Test/EMW:	FIT / 12.50 ppg	**Torq On Btm:**	7,200.0 ft-lbf					

PERSONNEL

Supervisor 1:	JOEL OWEN
Supervisor 2:	STONEY RABORN
Engineer:	DANIEL COOK
Geologist:	
Oxy Personnel:	2
Contractor Personnel:	13
Total on Site:	15

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build
3,472.0	1.40	0.00	3,471.49	51.7	0.0	51.7	0.02	-0.02
2,659.0	1.60	0.00	2,658.77	30.4	0.0	30.4	0.28	0.28
2,167.0	0.20	0.00	2,166.85	22.7	0.0	22.7	0.00	0.00
1,768.0	0.20	0.00	1,767.85	21.3	0.0	21.3	0.04	-0.04
1,500.0	0.30	0.00	1,499.85	20.1	0.0	20.1	0.08	0.08
1,370.0	0.20	0.00	1,369.85	19.5	0.0	19.5	0.19	-0.19

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
2	8.750	CAPROCK BITS	616-YR	39627	M223	6x16	1768		- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI
2	22.50	25.50	2392	2634	106.3	103.3	20.0/25.0	90/95	1.178	198	149.4	1.1

MUD DATA - M-I SWACO

Engineer:	Brent Troyer	**MBT:**	0.0 lbm/bbl
Sample From:	In	**pH:**	10.5
Mud Type:	Cut Brine	**Pm / Pom:**	0.00
Time / MD:	18:00 / 3,914.0	**Pf / Mf:**	0.3 / 0.7
Density @ Temp:	9.90 / 65	**Chlorides:**	172,000
Rheology Temp:	120	**Ca+ / K+:**	1,440 / 0
Viscosity:	28.00	**CaCl2:**	0.00
PV / YP:	1 / 1	**Clom:**	0.00
Gels 10s/10m/30m:	1 / 1 / 1	**Lime:**	0.00
API WL:	45.00	**ES:**	0.00
HTHP WL:	0.00	**ECD:**	9.93
Cake API / HTHP:	.0 / .0	**n / K:**	0.00 / 0.000
Solids / Sol Corr:	10.00 / 0.00	**Carbonate:**	6 ppm
Oil / Water:	0.0 / 96.5	**Bicarbonate:**	0 ppm
Sand:	0.03	**Form Loss:**	0.0 / 0.0
Water Added:	460.0 bbl	**Fluid Disch:**	/
Oil Added:			
LGS:	0.40 / 3.70		

VG Meter: 1@3 / 1@6 / 1@100 / 1@200 / 2@300 / 3@600

Comments: In the last 24 hrs drilled from surface shoe depth of 1 768" to 3 914" with no reported problems. At 4 700" will displac

LAST OR CURRENT BHA

BHA No: 2 Bit No: 2 MD In: 1768 ft

Purpose: DRILL PRODUCTION HOLE MD Out:

Component	OD	ID	Jts	Length
HWDP	5.000	2.875	8	244.67
DRILLING JAR	6.250	2.875	1	32.42
HWDP	5.000	2.875	7	214.48
DRILL COLLAR	6.250	2.875	6	183.13
TELEDRIFT	6.500	2.875	1	4.47
INTEGRAL BLADE STABILIZER	8.500	2.875	1	5.50
DRILL COLLAR	6.125	2.875	1	30.13
INTEGRAL BLADE STABILIZER	8.500	2.875	1	4.91
DRILL COLLAR	6.250	2.875	1	31.29
SHOCK SUB	8.000	2.875	1	11.40
PDC BIT	8.750	2.875	1	1.00

Total Length: 763.40 ft **Wt below Jars:**

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Engineering Service	Each	1.00
Fed Floc	each	4.00
Lime	Bag, 50 lb	8.00
Pecan Nut Plug Medium	Bag, 50 lb	3.00
Soda Ash	Bag, 50 lb	18.00

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/11/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	8

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	4:00	4.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 2,010' TO 2,384' 374' (93.5 FPH AVG ROP ON BTM) USING 550 GPM, 800 PSI, 80-90 RPM, 15-20 WOB, 5200 TRQ, PUMPING VISCOUS SWEEPS EVERY 90' 04:00 HOUR SAFETY BREAK - HOUSEKEEPING AVG/MAX/CONNECTION GAS = 0
4:00	6:00	2.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 2,384' TO 2,567' 183' (91.5 FPH AVG ROP ON BTM) USING 550 GPM, 800 PSI, 80-90 RPM, 15-20 WOB, 5200 TRQ, PUMPING VISCOUS SWEEPS EVERY 90'
6:00	10:00	4.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 2,567' TO 3,165' 598' (149.5 FPH AVG ROP ON BTM) USING 550 GPM, 950 PSI, 80-90 RPM, 20-22 WOB, 5200 TRQ,PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.3 MW OUT 9.5 AVG/MAX/CONNECTION GAS 0 UNITS SAFETY BREAK - GOOD COMMUNICATION
10:00	14:00	4.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 3,165' TO 3,'566' (100 FPH AVG ROP ON BTM) USING 550 GPM, 1150 PSI, 80-90 RPM, 20-22 WOB, 6300 TRQ,PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.5 MW OUT 9.6 AVG/MAX/CONNECTION GAS 0 UNITS SAFETY BREAK - PROPER PPE
14:00	18:00	4.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 3,566' TO 3,910' 354(89 FPH AVG ROP ON BTM) USING 550 GPM, 1225 PSI, 80-90 RPM, 25-28 WOB, 7200 TRQ,PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.6 MW OUT 9.6 AVG/MAX/CONNECTION GAS 0 UNITS SAFETY BREAK - FORK LIFT SAFETY
18:00	22:30	4.50	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 3,910' TO 4,402' 492'(109.3 FPH AVG ROP ON BTM) USING 550 GPM, 1250 PSI, 80-90 RPM, 25-28 WOB, 7200 TRQ,PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.6 MW OUT 9.6 AVG/MAX/CONNECTION GAS 0 UNITS
22:30	0:00	1.50	31PRDR	RIGMT	REP	PT	TOP DRIVE WENT DOWN (WOULD NOT ROTATE) CIRCULATED AND RECIPROCATED PIPE WHILE WAITING ON AN ELECTRICIAN TO ARRIVE AND TROUBLESHOOT TOP DRIVE ELECTRICAL SYSTEM.
Total Time		24.00					

Safety Incident?	N	**Days since Last RI:**	8.00	**Weather Comments:**
Environ Incident?	N	**Days since Last LTA:**	8.00	

Incident Comments:
No incidents reported last 24 hours.

Other Remarks:

DIRECTIONS: FROM ANDREWS TAKE HIGHWAY 176 EAST FOR 9 MILES, TURN LEFT (NORTH) ON HIGHWAY 1788, TRAVEL 5 MILES TO RIG SIGN ON THE RIGHT, FOLLOW THE RIG SIGNS ON LEASE ROAD TO LOCATION

OXY DSM TRAILER NUMBER : (432) 253 - 7934
LEADER HES:CHARLES BULLARD (432) 894-3769

LIFE FLIGHT COORDINATES FOR STATE RUBY GRACE #11: LATITUDE = 32º 23' 47.78 N, LONGITUDE = 102º 24' 31.10 W

SAFETY TOPIC OF THE DAY: MAKING CONNECTIONS

DAYS WORKED WITH NO LTI: 7
DAYS WORKED SINCE LAST RI: 7

STOP CARDS: 10
SWA: 0
NEAR MISSES: 0
JSA's: 17
SAFETY MEETINGS: 6
LO/TO's: 1
PERMITS TO WORK: 2
POWER LINE CHECKLISTS: 0
PRE-SPUD RIG INSPECTIONS: 0
HAZARD ID's: 1
EP2 OBSERVATIONS: 1

BEST STOP CARD:OBSERVED EMPLOYEE TO CLOSE TO CATWALK WHILE THE TROUGH WAS ELEVATED WITH A JOINT OF DRILL PIPE IN IT,EXPLAINED THE HAZARDS,HE UNDERSTOOD AND THE JOB CONTINUED WITHOUT INCIDENT.

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/12/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	9

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	H&P 349	**Ref Datum:**	Original KB @3,069.80ft	**DFS:**	7.00
Today's MD:	5216 ft	**Progress:**	814 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$60,885
Prev MD:	4402 ft	**Rot Hrs Today:**	13.50 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$631,143
PBMD:		**Avg ROP Today:**	60.3 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,399,597

Current Formation: QUEEN@ **Lithology:**

Current Ops:

24-Hr Summary: HAD DOWN TIME ON TOP DRIVE AND PUMPS,DRILL 8 3/4" PRODUCTION HOLE FROM 4,402' TO 6,216' 814' 60.3 FPH CHANGING OVER TC

24-Hr Forecast: (RR 01/21/2013- ROL 01/22/2013) CONTINUE TO DRILL 8 3/4" PRODUCTION HOLE.

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:	9.625in @ 1,768ft	**Str Wt Up/Dn:**	140.0/ 132.0 kip	**Pump Rate:**	497.1	**Conn:**	0	0
Next Casing:	9.625in @ 1,768ft	**Str Wt Rot:**	135.0 kip	**Pump Press:**	1170	**Trip:**	0	0
Last BOP Press Test:	01/09/2013	**Torq Off Btm:**	2,300.0 ft-lbf			**Backgr:**	0	0
Form Test/EMW:	FIT / 12.50 ppg	**Torq On Btm:**	6,400.0 ft-lbf					

PERSONNEL

Supervisor 1:	JOEL OWEN
Supervisor 2:	STONEY RABORN
Engineer:	DANIEL COOK
Geologist:	
Oxy Personnel:	2
Contractor Personnel:	12
Total on Site:	14

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build
4,663.0	0.60	0.00	4,662.30	72.5	0.0	72.5	0.07	-0.07
3,472.0	1.40	0.00	3,471.49	51.7	0.0	51.7	0.02	-0.02
2,659.0	1.60	0.00	2,658.77	30.4	0.0	30.4	0.28	0.28
2,167.0	0.20	0.00	2,166.85	22.7	0.0	22.7	0.00	0.00
1,768.0	0.20	0.00	1,767.85	21.3	0.0	21.3	0.04	-0.04
1,500.0	0.30	0.00	1,499.85	20.1	0.0	20.1	0.08	0.08

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
2	8.750	CAPROCK BITS	616-YR	39627	M223	6x16	1768		- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI
2	13.50	39.00	814	3448	60.3	88.4	20.0/27.0	90/95	1.178	144	135.4	0.7

MUD DATA - M-I SWACO

Engineer:	Brent Troyer	**MBT:**	0.0 lbm/bbl
Sample From:	In	**pH:**	10.0
Mud Type:	Gel Mud	**Pm / Pom:**	0.00
Time / MD:	17:00 / 4,939.0	**Pf / Mf:**	0.3 / 0.8
Density @ Temp:	8.80 / 75	**Chlorides:**	58,000
Rheology Temp:	120	**Ca+ / K+:**	680 / 0
Viscosity:	41.00	**CaCl2:**	0.00
PV / YP:	9 / 27	**Clom:**	0.00
Gels 10s/10m/30m:	7 / 15 / 19	**Lime:**	0.00
API WL:	45.00	**ES:**	0.00
HTHP WL:	0.00	**ECD:**	8.96
Cake API / HTHP:	2.0 / .0	**n / K:**	0.00 / 0.000
Solids / Sol Corr:	3.00 / 0.00	**Carbonate:**	6 ppm
Oil / Water:	0.0 / 95.5	**Bicarbonate:**	0 ppm
Sand:	0.02	**Form Loss:**	0.0 / 0.0
Water Added:	331.0 bbl	**Fluid Disch:**	/
Oil Added:			
LGS:	0.20 / 2.00		

VG Meter: 8@3 / 12@6 / 17@100 / 24@200 / 36@300 / 45@600

Comments: In the last 24 hrs drilled from 3 914" to 4 552" with no reported problems. Rig went on down time at 4 568" due to Top D

LAST OR CURRENT BHA

BHA No: 2 Bit No: 2 MD In: 1768 ft

Purpose: DRILL PRODUCTION HOLE MD Out:

Component	OD	ID	Jts	Length
HWDP	5.000	2.875	8	244.67
DRILLING JAR	6.250	2.875	1	32.42
HWDP	5.000	2.875	7	214.48
DRILL COLLAR	6.250	2.875	6	183.13
TELEDRIFT	6.500	2.875	1	4.47
INTEGRAL BLADE STABILIZER	8.500	2.875	1	5.50
DRILL COLLAR	6.125	2.875	1	30.13
INTEGRAL BLADE STABILIZER	8.500	2.875	1	4.91
DRILL COLLAR	6.250	2.875	1	31.29
SHOCK SUB	8.000	2.875	1	11.40
PDC BIT	8.750	2.875	1	1.00

Total Length: 763.40 ft **Wt below Jars:**

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Engineering Service	Each	1.00
Lime	Bag, 50 lb	22.00
M-I Gel Bulk	Ton	42.38
Soda Ash	Bag, 50 lb	5.00

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING | STATE RUBY GRACE 11 | **Date:** 01/12/2013

Prim. Reason: ORIG DRILL VERT | USA | **Report No:** 9

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	3:00	3.00	31PRDR	RIGMT	REP	PT	TOP DRIVE WENT DOWN (WOULD NOT ROTATE) CIRCULATED AND RECIPROCATED PIPE WHILE WAITING ON AN ELECTRICIAN TO ARRIVE (ELECTRICIANS ARRIVED AT 00:30) TROUBLESHOOT TOP DRIVE ELECTRICAL SYSTEM.
3:00	4:00	1.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 4,402' TO 4,467' 65'(65 FPH AVG. ROP ON BTM) USING 550 GPM, 1250 PSI, 80-90 RPM, 25-28 WOB, 7200 TRQ,PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.6 MW OUT 9.6 AVG/MAX/CONNECTION GAS 0 UNITS
4:00	5:00	1.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 4,467' TO 4,552 85'(85 FPH AVG. ROP ON BTM) USING 550 GPM, 1329 PSI, 80-90 RPM, 25-28 WOB, 7200 TRQ,PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.6 MW OUT 9.6 AVG/MAX/CONNECTION GAS 0 UNITS
5:00	6:00	1.00	31PRDR	RIGMT	REP	PT	MUD PUMPS WOULD NOT TURN ON AFTER CONNECTION, ROTATE PIPE SLOWLY WHILE WAITING ON ELECTRICIANS
6:00	10:00	4.00	31PRDR	RIGMT	REP	PT	WORK PIPE WHILE TROUBLE SHOOTING MUD PUMP ELECTRICAL ISSUE, PULL 2 JOINTS, PERFORM COMPLETE ELECTRICAL SYSTEM REBOOT, CONTINUE TROUBLE SHOOTING. FOUND 6OO VOLT GROUND FAULT WHICH WAS NOT ALLOWING TH THE MUD PUMPS TO COME
10:00	12:00	2.00	31PRDR	RIGMT	REP	PT	REPAIR ELECTRICAL SYSTEM, FOUND 6OO VOLT GROUND FAULT WHICH WAS NOT ALLOWING TH THE MUD PUMPS TO COME, MADE REPAIRS, RUN & TEST TOP DRIVE & MUD PUMPS. SAFETY BREAK: CHANGEING JOB SCOPE
12:00	16:00	4.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 4,552' TO 4,880' 328' (82 FPH AVG. ROP ON BTM) USING 550 GPM, 1350 PSI, 80-90 RPM, 25-28 WOB, 8200 TRQ,PUMPING VISCOUS SWEEPS EVERY 90', MW IN 8.6 MW OUT 8.7 AVG/MAX/CONNECTION GAS 0 UNITS NOTE: DISPLACE HOLE W/ 8.6 PPG GEL MUD @ RETURN TO STEEL PITS SAFETY BREAK: PROPER USE OF JSA'S
16:00	18:00	2.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 4,880' TO 5,003' 123' (61.5 FPH AVG. ROP ON BTM) USING 550 GPM, 1350 PSI, 80-90 RPM, 25-28 WOB, 8200 TRQ,PUMPING VISCOUS SWEEPS EVERY 90', MW IN 8.6 MW OUT 8.7 AVG/MAX/CONNECTION GAS 0 UNITS NOTE: DISPLACE HOLE W/ 8.6 PPG GEL MUD @ RETURN TO STEEL PITS SAFETY BREAK: PROPER USE OF JSA'S
18:00	21:30	3.50	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 5003' TO 5,170' 167' (47.71 FPH AVG. ROP ON BTM) USING 550 GPM, 1350 PSI, 80-90 RPM, 25-28 WOB, 8200 TRQ,PUMPING VISCOUS SWEEPS EVERY 90', MW IN 8.6 MW OUT 8.7 AVG/MAX/CONNECTION GAS 0 UNITS
21:30	22:00	0.50	31PRDR	CIRC	CNDFLD	PT	LOST PUMP PRESSURE DUE TO MUD FLUFFING UP,GET AIR OUT OF MUD 22:00 HOUR SAFETY BREAK - HAND INJURIES
22:00	0:00	2.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 5,170' TO 5,216' 46' (23 FPH AVG. ROP ON BTM) USING 400 GPM, 730 PSI, 80 RPM, 20 WOB, 8200 TRQ,PUMPING VISCOUS SWEEPS EVERY 90', MW IN 8.6 MW OUT 8.7 AVG/MAX/CONNECTION GAS 0 UNITS SIMOPS: DRILLING WITH REDUCED PARAMETERS WHILE GETTING TREATING MUD.
Total Time		24.00					

Safety Incident? N **Days since Last RI:** 9.00

Environ Incident? N **Days since Last LTA:** 9.00

Incident Comments:
No incidents reported last 24 hours.

Weather Comments:

Other Remarks:

DIRECTIONS: FROM ANDREWS TAKE HIGHWAY 176 EAST FOR 9 MILES, TURN LEFT (NORTH) ON HIGHWAY 1788, TRAVEL 5 MILES TO RIG SIGN ON THE RIGHT, FOLLOW THE RIG SIGNS ON LEASE ROAD TO LOCATION

OXY DSM TRAILER NUMBER : (432) 253 - 7934
LEADER HES:CHARLES BULLARD (432) 894-3769

LIFE FLIGHT COORDINATES FOR STATE RUBY GRACE #11: LATITUDE = 32º 23' 47.78 N, LONGITUDE = 102º 24' 31.10 W

SAFETY TOPIC OF THE DAY:MIXING CHEMICALS.

DAYS WORKED WITH NO LTI: 9
DAYS WORKED SINCE LAST RI: 9

STOP CARDS: 10
SWA: 0
NEAR MISSES: 0
JSA's: 11
SAFETY MEETINGS: 6
LO/TO's: 1
PERMITS TO WORK: 4
POWER LINE CHECKLISTS: 0
PRE-SPUD RIG INSPECTIONS: 0
HAZARD ID's: 1
EP2 OBSERVATIONS: 1

BEST STOP CARD:OBSERVED EMPLOYEES NOT SIGNING OUT WHEN THEY LEFT LOCATION,EXPLAINED THE POLICIES AND HAZARDS IN THE PRE TOUR MEETINGS,THEY AGREED TO SIGN OUT AND IN.

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/13/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	10

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	H&P 349	**Ref Datum:**	Original KB @3,069.80ft	**DFS:**	8.00
Today's MD:	6672 ft	**Progress:**	1456 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$41,513
Prev MD:	5216 ft	**Rot Hrs Today:**	23.50 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$672,655
PBMD:		**Avg ROP Today:**	62.0 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,399,597

Current Formation: SAN ANDRES@ **Lithology:**

Current Ops:

24-Hr Summary: DRILL 8 3/4" PRODUCTION HOLE FROM 5,216' TO 6,672', 1,455' AT 62.0 FPH

24-Hr Forecast: (RR 01/21/2013- ROL 01/22/2013) CONTINUE TO DRILL 8 3/4" PRODUCTION HOLE.

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:	9.625in @ 1,768ft	**Str Wt Up/Dn:**	155.0/ 145.0 kip	**Pump Rate:**	445.5	**Conn:**	0	0
Next Casing:	9.625in @ 1,768ft	**Str Wt Rot:**	150.0 kip	**Pump Press:**	1250	**Trip:**	0	0
Last BOP Press Test:	01/09/2013	**Torq Off Btm:**	2,300.0 ft-lbf			**Backgr:**	0	0
Form Test/EMW:	FIT / 12.50 ppg	**Torq On Btm:**	9,500.0 ft-lbf					

PERSONNEL

Supervisor 1:	JOEL OWEN
Supervisor 2:	STONEY RABORN
Engineer:	DANIEL COOK
Geologist:	
Oxy Personnel:	2
Contractor Personnel:	12
Total on Site:	14

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build
6,447.0	0.40	0.00	6,446.26	84.7	0.0	84.7	0.01	0.01
5,447.0	0.30	0.00	5,446.28	78.6	0.0	78.6	0.04	-0.04
4,663.0	0.60	0.00	4,662.30	72.5	0.0	72.5	0.07	-0.07
3,472.0	1.40	0.00	3,471.49	51.7	0.0	51.7	0.02	-0.02
2,659.0	1.60	0.00	2,658.77	30.4	0.0	30.4	0.28	0.28
2,167.0	0.20	0.00	2,166.85	22.7	0.0	22.7	0.00	0.00

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
2	8.750	CAPROCK BITS	616-YR	39627	M223	6x16	1768		- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI
2	23.50	62.50	1456	4904	62.0	78.5	25.0/28.0	85/90	1.178	121	121.3	0.5

MUD DATA - M-I SWACO

Engineer:	Brent Troyer	**MBT:**	0.0 lbm/bbl
Sample From:	In	**pH:**	11.0
Mud Type:	Gel Mud	**Pm / Pom:**	0.00
Time / MD:	17:30 / 6,167.0	**Pf / Mf:**	0.3 / 0.8
Density @ Temp:	9.20 / 65	**Chlorides:**	50,000
Rheology Temp:	120	**Ca+ / K+:**	640 / 0
Viscosity:	41.00	**CaCl2:**	0.00
PV / YP:	5 / 11	**Clom:**	0.00
Gels 10s/10m/30m:	3 / 5 / 9	**Lime:**	0.00
API WL:	45.00	**ES:**	0.00
HTHP WL:	0.00	**ECD:**	9.31
Cake API / HTHP:	2.0 / .0	**n / K:**	0.00 / 0.000
Solids / Sol Corr:	2.50 / 0.00	**Carbonate:**	5 ppm
Oil / Water:	0.0 / 95.5	**Bicarbonate:**	0 ppm
Sand:	0.03	**Form Loss:**	0.0 / 0.0
Water Added:	475.0 bbl	**Fluid Disch:**	/
Oil Added:			
LGS:	3.10 / 28.30		

VG Meter: 6@3 / 10@6 / 12@100 / 14@200 / 16@300 / 21@600

Comments: In the last 24 hrs drilled from 4 939" to 6 167" with no reported problems. At 5 167" mud turned creamy and had to dump

LAST OR CURRENT BHA

BHA No: 2 Bit No: 2 MD In: 1768 ft

Purpose: DRILL PRODUCTION HOLE MD Out:

Component	OD	ID	Jts	Length
HWDP	5.000	2.875	8	244.67
DRILLING JAR	6.250	2.875	1	32.42
HWDP	5.000	2.875	7	214.48
DRILL COLLAR	6.250	2.875	6	183.13
TELEDRIFT	6.500	2.875	1	4.47
INTEGRAL BLADE STABILIZER	8.500	2.875	1	5.50
DRILL COLLAR	6.125	2.875	1	30.13
INTEGRAL BLADE STABILIZER	8.500	2.875	1	4.91
DRILL COLLAR	6.250	2.875	1	31.29
SHOCK SUB	8.000	2.875	1	11.40
PDC BIT	8.750	2.875	1	1.00

Total Length: 763.40 ft **Wt below Jars:**

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Caustic Soda	Bag, 50 lb	18.00
Defoam A	Can, 5 gal	12.00
Engineering Service	Each	1.00
M-I Gel Bulk	Ton	20.91
Soda Ash	Bag, 50 lb	15.00

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING | STATE RUBY GRACE 11 | **Date:** 01/13/2013

Prim. Reason: ORIG DRILL VERT | USA | **Report No:** 10

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	4:00	4.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 5,216' TO 5,397' 181' (45.2 FPH AVG. ROP ON BTM) USING 550 GPM, 1350 PSI, 80-90 RPM, 25-28 WOB, 8200 TRQ,PUMPING VISCOUS SWEEPS EVERY 90', MW IN 8.7 MW OUT 8.7 AVG/MAX/CONNECTION GAS 0 UNITS SAFETY BREAK AT 04:00 - WET POWER CATWALK REMOTE.
4:00	6:00	2.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 5,397' TO 5,504' 107' (53.5 FPH AVG. ROP ON BTM) USING 550 GPM, 1350 PSI, 80-90 RPM, 25-28 WOB, 8600 TRQ,PUMPING VISCOUS SWEEPS EVERY 90', MW IN 8.7 MW OUT 8.7 AVG/MAX/CONNECTION GAS 0 UNITS
6:00	10:00	4.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 5,504' TO 5,755' 251' (63 FPH AVG. ROP ON BTM) USING 525 GPM, 1525 PSI, 80-90 RPM, 25-28 WOB, 9000 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.3 MW OUT 9.4 AVG/MAX/CONNECTION GAS 0 UNITS SAFETY BREAK: WORKING AT HEIGHTS
10:00	14:00	4.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 5,755' TO 5,945' 190' (48 FPH AVG. ROP ON BTM) USING 525 GPM, 1525 PSI, 80-90 RPM, 25-28 WOB, 9000 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.3 MW OUT 9.4 AVG/MAX/CONNECTION GAS 0 UNITS SAFETY BREAK: GOOD HOUSE KEEPING
14:00	17:30	3.50	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 5,945' TO 6,176', 231' (66 FPH AVG. ROP ON BTM) USING 436 GPM, 1300 PSI, 80-90 RPM, 25-28 WOB, 9000 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.3 MW OUT 9.4 AVG/MAX/CONNECTION GAS 0 UNITS SAFETY BREAK:GOOD COMMUNICATION BETWEEN CREWS
17:30	18:00	0.50	31PRDR	RIGMT	SRVRIG	P	SERVICE RIG
18:00	22:00	4.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 6,176' TO 6,539', 363' (90.7 FPH AVG. ROP ON BTM) USING 436 GPM, 1300 PSI, 80-90 RPM, 25-28 WOB, 9000 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.3 MW OUT 9.4 AVG/MAX/CONNECTION GAS 0 UNITS SAFETY BREAK AT 22:00 HOURS - SAFETY TRENDS
22:00	0:00	2.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 6,539' TO 6,672', 133' (66.5 FPH AVG. ROP ON BTM) USING 436 GPM, 1300 PSI, 80-90 RPM, 25-28 WOB, 9000 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.3 MW OUT 9.4 AVG/MAX/CONNECTION GAS 0 UNITS
Total Time		24.00					

Safety Incident? N **Days since Last RI:** 10.00

Environ Incident? N **Days since Last LTA:** 10.00

Incident Comments:
No incidents reported last 24 hours.

Weather Comments:

Other Remarks:

DIRECTIONS: FROM ANDREWS TAKE HIGHWAY 176 EAST FOR 9 MILES, TURN LEFT (NORTH) ON HIGHWAY 1788, TRAVEL 5 MILES TO RIG SIGN ON THE RIGHT, FOLLOW THE RIG SIGNS ON LEASE ROAD TO LOCATION

OXY DSM TRAILER NUMBER : (432) 253 - 7934
LEADER HES:CHARLES BULLARD (432) 894-3769

LIFE FLIGHT COORDINATES FOR STATE RUBY GRACE #11: LATITUDE = 32º 23' 47.78 N, LONGITUDE = 102º 24' 31.10 W

SAFETY TOPIC OF THE DAY:COLD WEATHER

DAYS WORKED WITH NO LTI: 10
DAYS WORKED SINCE LAST RI: 10

STOP CARDS: 10
SWA: 0
NEAR MISSES: 0
JSA's: 11
SAFETY MEETINGS: 6
LO/TO's: 1
PERMITS TO WORK: 4
POWER LINE CHECKLISTS: 0
PRE-SPUD RIG INSPECTIONS: 0
HAZARD ID's: 1
EP2 OBSERVATIONS:

BEST STOP CARD:OBSERVED THIRD PARTY EMPLOYEE WALK BETWEEN THE POWER CATWALK AND THE SUBSTRUCTURE WHILE CREW WAS MAKING A CONNECTION
EXPLAINED THE HAZARD OF HIM BEING IN A DANGEROUS PLACE IF THE FLOORHANDS WOULD HAVE ACTIVATED THE CATWALK,EXPLAINED TO HIM THAT HE SHOULD COMMUNICATE
WITH CREWMEMBERS BEFORE GETTING IN HARMS WAY.

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/14/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	11

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	H&P 349	**Ref Datum:**	Original KB @3,069.80ft	**DFS:**	9.00
Today's MD:	7858 ft	**Progress:**	1186 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$43,003
Prev MD:	6672 ft	**Rot Hrs Today:**	23.50 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$716,798
PBMD:		**Avg ROP Today:**	50.5 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,399,597

Current Formation: SPRABERRY@ **Lithology:**

Current Ops:

24-Hr Summary: DRILL 8 3/4" PRODUCTION HOLE FROM 6,672' TO 7,858' 1,186' 23.5 FPH

24-Hr Forecast: (RR 01/21/2013- ROL 01/22/2013) CONTINUE TO DRILL 8 3/4" PRODUCTION HOLE.

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:	9.625in @ 1,768ft	**Str Wt Up/Dn:**	177.0/ 170.0 kip	**Pump Rate:**	553.4	**Conn:**	0	0
Next Casing:	9.625in @ 1,768ft	**Str Wt Rot:**	172.0 kip	**Pump Press:**	1850	**Trip:**	0	0
Last BOP Press Test:	01/09/2013	**Torq Off Btm:**	2,400.0 ft-lbf			**Backgr:**	0	0
Form Test/EMW:	FIT / 12.50 ppg	**Torq On Btm:**	8,500.0 ft-lbf					

PERSONNEL

Supervisor 1:	JOEL OWEN
Supervisor 2:	STONEY RABORN
Engineer:	DANIEL COOK
Geologist:	
Oxy Personnel:	2
Contractor Personnel:	12
Total on Site:	14

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build
7,441.0	1.00	0.00	7,440.18	96.9	0.0	96.9	0.06	0.06
6,447.0	0.40	0.00	6,446.26	84.7	0.0	84.7	0.01	0.01
5,447.0	0.30	0.00	5,446.28	78.6	0.0	78.6	0.04	-0.04
4,663.0	0.60	0.00	4,662.30	72.5	0.0	72.5	0.07	-0.07
3,472.0	1.40	0.00	3,471.49	51.7	0.0	51.7	0.02	-0.02
2,659.0	1.60	0.00	2,658.77	30.4	0.0	30.4	0.28	0.28

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
2	8.750	CAPROCK BITS	616-YR	39627	M223	6x16	1768		- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI
2	23.50	86.00	1186	6090	50.5	70.8	22.0/30.0	90/90	1.178	191	150.7	1.0

MUD DATA - M-I SWACO

Engineer:	Brent Troyer	**MBT:**	0.0 lbm/bbl
Sample From:	In	**pH:**	11.0
Mud Type:	Gel Mud	**Pm / Pom:**	0.00
Time / MD:	17:30 / 7,552.0	**Pf / Mf:**	0.3 / 0.9
Density @ Temp:	9.40 / 65	**Chlorides:**	22,000
Rheology Temp:	120	**Ca+ / K+:**	440 / 0
Viscosity:	44.00	**CaCl2:**	0.00
PV / YP:	5 / 14	**Clom:**	0.00
Gels 10s/10m/30m:	3 / 5 / 8	**Lime:**	0.00
API WL:	45.00	**ES:**	0.00
HTHP WL:	0.00	**ECD:**	9.50
Cake API / HTHP:	2.0 / .0	**n / K:**	0.00 / 0.000
Solids / Sol Corr:	1.00 / 0.00	**Carbonate:**	5 ppm
Oil / Water:	0.0 / 96.5	**Bicarbonate:**	0 ppm
Sand:	0.03	**Form Loss:**	0.0 / 0.0
Water Added:	447.0 bbl	**Fluid Disch:**	/
Oil Added:			
LGS:	6.60 / 59.60		

VG Meter: 6@3 / 9@6 / 11@100 / 14@200 / 19@300 / 24@600

Comments: In the last 24 hrs drilled from 6 167" to 7 552" with no reported problems. Dumped and diluted a total of 455bbls today

LAST OR CURRENT BHA

BHA No: 2 Bit No: 2 MD In: 1768 ft

Purpose: DRILL PRODUCTION HOLE MD Out:

Component	OD	ID	Jts	Length
HWDP	4.500	2.875	8	244.67
DRILLING JAR	6.250	2.625	1	32.42
HWDP	4.500	2.875	7	214.48
DRILL COLLAR	6.250	2.875	6	183.13
TELEDRIFT	6.500	3.250	1	4.47
INTEGRAL BLADE STABILIZER	8.625	2.500	1	5.50
DRILL COLLAR	6.125	2.875	1	30.13
INTEGRAL BLADE STABILIZER	8.625	2.500	1	4.91
DRILL COLLAR	6.250	2.875	1	31.29
SHOCK SUB	6.500	2.375	1	11.40
PDC BIT	8.750	2.875	1	1.00

Total Length: 763.40 ft **Wt below Jars:**

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Caustic Soda	Bag, 50 lb	6.00
Defoam A	Can, 5 gal	14.00
Engineering Service	Each	1.00
M-I Gel Bulk	Ton	21.73
Soda Ash	Bag, 50 lb	12.00

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/14/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	11

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	4:00	4.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 6,672' TO 6,898', 226' (56.5 FPH. AVG. ROP ON BTM) USING 436 GPM, 1300 PSI, 80-90 RPM, 25-28 WOB, 9000 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.6 AVG/MAX/CONNECTION GAS 0 UNITS 04:00 HOUR SAFETY BREAK - WORKING IN COLD WEATHER.
4:00	6:00	2.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 6,898' TO7000',102' (51FPH. AVG. ROP ON BTM) USING 436 GPM, 1300 PSI, 80-90 RPM, 25-28 WOB, 9000 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.6 AVG/MAX/CONNECTION GAS 0 UNITS
6:00	10:00	4.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 7,000' TO 7,240', 240' (60FPH. AVG. ROP ON BTM) USING 550 GPM, 1725 PSI, 80-90 RPM, 25-28 WOB, 9000 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.6 AVG/MAX/CONNECTION GAS 0 UNITS SAFETY BREAK: TEAM WORK
10:00	14:00	4.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 7,240' TO 7,390', 150' (38 FPH. AVG. ROP ON BTM) USING 550 GPM, 1825 PSI, 80-90 RPM, 28-30 WOB, 9500 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.9 AVG/MAX/CONNECTION GAS 0 UNITS SAFETY BREAK: GOOD COMMUNICATION
14:00	17:30	3.50	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 7,390' TO 7,574', 184' (52.57 FPH. AVG. ROP ON BTM) USING 550 GPM, 1825 PSI, 80-90 RPM, 28-30 WOB, 9500 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.7 AVG/MAX/CONNECTION GAS 0 UNITS SAFETY BREAK: MANLIFT OPERATIONS
17:30	18:00	0.50	31PRDR	RIGMT	SRVRIG	P	SERVICE RIG
18:00	22:00	4.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 7,574' TO 7,761', 187' (46.7 FPH. AVG. ROP ON BTM) USING 550 GPM, 1825 PSI, 80-90 RPM, 28-30 WOB, 9500 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.7 AVG/MAX/CONNECTION GAS 0 UNITS
22:00	0:00	2.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 7,761' TO 7,858', 97' (48.5 FPH. AVG. ROP ON BTM) USING 550 GPM, 1825 PSI, 80-90 RPM, 28-30 WOB, 9500 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.7 AVG/MAX/CONNECTION GAS 0 UNITS
Total Time		24.00					

Safety Incident?	N	**Days since Last RI:**	11.00	**Weather Comments:**
Environ Incident?	N	**Days since Last LTA:**	11.00	

Incident Comments:
No incidents reported last 24 hours.

Other Remarks:

DIRECTIONS: FROM ANDREWS TAKE HIGHWAY 176 EAST FOR 9 MILES, TURN LEFT (NORTH) ON HIGHWAY 1788, TRAVEL 5 MILES TO RIG SIGN ON THE RIGHT, FOLLOW THE RIG SIGNS ON LEASE ROAD TO LOCATION

OXY DSM TRAILER NUMBER : (432) 253 - 7934
LEADER HES:CHARLES BULLARD (432) 894-3769

LIFE FLIGHT COORDINATES FOR STATE RUBY GRACE #11: LATITUDE = 32º 23' 47.78 N, LONGITUDE = 102º 24' 31.10 W

SAFETY TOPIC OF THE DAY:COLD WEATHER

DAYS WORKED WITH NO LTI: 12
DAYS WORKED SINCE LAST RI: 12

STOP CARDS: 10
SWA: 2
NEAR MISSES: 0
JSA's: 11
SAFETY MEETINGS: 6
LO/TO's: 1
PERMITS TO WORK: 4
POWER LINE CHECKLISTS: 0
PRE-SPUD RIG INSPECTIONS: 0
HAZARD ID's: 1
EP2 OBSERVATIONS:

BEST STOP CARD: OBSERVED CREWMEMBER ATTEMPTING TO GO UP IN THE MANLIFT TO REPAIR A WATERLINE WITHOUT DOING A JSA,EXPLAINED THE IMPORTANCE OF A JSA,HE REVIEWED THE JSA AND THE JOB CONTINUED WITHOUT INCIDENCE.

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/15/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	12

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	H&P 349	**Ref Datum:**	Original KB @3,069.80ft	**DFS:**	10.00
Today's MD:	8930 ft	**Progress:**	1072 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$63,576
Prev MD:	7858 ft	**Rot Hrs Today:**	23.00 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$780,373
PBMD:		**Avg ROP Today:**	46.6 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,399,597

Current Formation: SPRABERRY@ **Lithology:**

Current Ops:

24-Hr Summary: DRILL 8 3/4" PRODUCTION HOLE FROM 7,858' TO 8,341',H2S ALARMS SOUNDED,GAVE ALL CLEAR, CONTINUE TO DRILL FROM 8,341' TO

24-Hr Forecast: (RR 01/21/2013- ROL 01/22/2013) CONTINUE TO DRILL 8 3/4" PRODUCTION HOLE.

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:	9.625in @ 1,768ft	**Str Wt Up/Dn:**	190.0/ 180.0 kip	**Pump Rate:**	548.7	**Conn:**	0	0
Next Casing:	9.625in @ 1,768ft	**Str Wt Rot:**	184.0 kip	**Pump Press:**	1900	**Trip:**	0	0
Last BOP Press Test:	01/09/2013	**Torq Off Btm:**	3,000.0 ft-lbf			**Backgr:**	0	0
Form Test/EMW:	FIT / 12.50 ppg	**Torq On Btm:**	9,500.0 ft-lbf					

PERSONNEL

Supervisor 1:	JOEL OWEN
Supervisor 2:	STONEY RABORN
Engineer:	DANIEL COOK
Geologist:	
Oxy Personnel:	2
Contractor Personnel:	12
Total on Site:	14

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build
8,631.0	1.60	0.00	8,629.29	141.5	0.0	141.5	0.24	-0.24
8,036.0	3.00	0.00	8,034.79	117.6	0.0	117.6	0.34	0.34
7,441.0	1.00	0.00	7,440.18	96.9	0.0	96.9	0.06	0.06
6,447.0	0.40	0.00	6,446.26	84.7	0.0	84.7	0.01	0.01
5,447.0	0.30	0.00	5,446.28	78.6	0.0	78.6	0.04	-0.04
4,663.0	0.60	0.00	4,662.30	72.5	0.0	72.5	0.07	-0.07

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
2	8.750	CAPROCK BITS	616-YR	39627	M223	6x16	1768		- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI
2	23.00	109.00	1072	7162	46.6	65.7	20.0/28.0	85/110	1.178	188	149.4	1.0

MUD DATA - M-I SWACO

Engineer:	Brent Troyer	**MBT:**	0.0 lbm/bbl
Sample From:	In	**pH:**	10.5
Mud Type:	Gel Mud	**Pm / Pom:**	0.00
Time / MD:	18:00 / 8,657.0	**Pf / Mf:**	0.4 / 0.9
Density @ Temp:	9.40 / 60	**Chlorides:**	18,000
Rheology Temp:	120	**Ca+ / K+:**	520 / 0
Viscosity:	41.00	**CaCl2:**	0.00
PV / YP:	4 / 15	**Clom:**	0.00
Gels 10s/10m/30m:	3 / 6 / 8	**Lime:**	0.00
API WL:	45.00	**ES:**	0.00
HTHP WL:	0.00	**ECD:**	9.51
Cake API / HTHP:	.0 / .0	**n / K:**	0.00 / 0.000
Solids / Sol Corr:	0.80 / 0.00	**Carbonate:**	8 ppm
Oil / Water:	0.0 / 96.0	**Bicarbonate:**	0 ppm
Sand:	0.02	**Form Loss:**	0.0 / 0.0
Water Added:	411.0 bbl	**Fluid Disch:**	/
Oil Added:			
LGS:	6.80 / 62.00		

VG Meter: 6@3 / 10@6 / 14@100 / 17@200 / 19@300 / 23@600

Comments: In the last 24 hrs drilled from 7 552" to 8 657" with no reported problems. H2S alarms went off at 11:30

LAST OR CURRENT BHA

BHA No: 2 Bit No: 2 MD In: 1768 ft

Purpose: DRILL PRODUCTION HOLE MD Out:

Component	OD	ID	Jts	Length
HWDP	4.500	2.875	8	244.67
DRILLING JAR	6.250	2.625	1	32.42
HWDP	4.500	2.875	7	214.48
DRILL COLLAR	6.250	2.875	6	183.13
TELEDRIFT	6.500	3.250	1	4.47
INTEGRAL BLADE STABILIZER	8.625	2.500	1	5.50
DRILL COLLAR	6.125	2.875	1	30.13
INTEGRAL BLADE STABILIZER	8.625	2.500	1	4.91
DRILL COLLAR	6.250	2.875	1	31.29
SHOCK SUB	6.500	2.375	1	11.40
PDC BIT	8.750	2.875	1	1.00

Total Length: 763.40 ft **Wt below Jars:**

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Caustic Soda	Bag, 50 lb	3.00
Defoam A	Can, 5 gal	18.00
Engineering Service	Each	1.00
M-I Gel Bulk	Ton	20.38
Soda Ash	Bag, 50 lb	6.00

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING | STATE RUBY GRACE 11 | **Date:** 01/15/2013

Prim. Reason: ORIG DRILL VERT | USA | **Report No:** 12

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	4:00	4.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 7,858' TO 8,045',187 (46.7 FPH. AVG. ROP ON BTM) USING 550 GPM, 1825 PSI, 80-90 RPM, 28-30 WOB, 9500 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.7 AVG/MAX/CONNECTION GAS 0 UNITS 04:00 HOUR SAFETY BREAK - HANDLING TOOLS
4:00	6:00	2.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 8,045' TO 8,130',85(42.5FPH. AVG. ROP ON BTM) USING 550 GPM, 1825 PSI, 80-90 RPM, 28-30 WOB, 9500 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.7 AVG/MAX/CONNECTION GAS 0 UNITS
6:00	10:00	4.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 8,130' TO 8,276', (36.5FPH. AVG. ROP ON BTM) USING 550 GPM, 1825 PSI, 110 RPM, 20-22 WOB, 9500 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.7 AVG/MAX/CONNECTION GAS 0 UNITS NOTE: CHANGE DRILLING PARAMETERS DUE TO DEVEATION SAFETY BREAK: COLD WEATHER
10:00	11:30	1.50	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 8,276' TO 8,341', 65 (43 FPH. AVG. ROP ON BTM) USING 550 GPM, 1825 PSI, 110 RPM, 20-22 WOB, 9500 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.3 MW OUT 9.6 AVG/MAX/CONNECTION GAS 0 UNITS NOTE: CHANGE DRILLING PARAMETERS DUE TO DEVEATION
11:30	12:30	1.00	31PRDR	WLCNTL	NOCIRC	PT	WHILE DRILLING @ 8,341' H2S ALARM SOUNDED AT 11:25, SHUT IN WELL, MUSTERED CREW WAITED ON TOTAL SAFETY, TOTAL SAFETY REP ARRIVED ON LOCATION @ 12:15, ALL CLEAR WAS GIVEN @ 12:35
12:30	14:00	1.50	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 8,341' TO 8,431' 90' (60 FPH. AVG. ROP ON BTM) USING 550 GPM, 1825 PSI, 110 RPM, 20-22 WOB, 9500 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.3 MW OUT 9.6 AVG/MAX/CONNECTION GAS 0 UNITS 14:00 HOUR SAFETY BREAK - HOUSEKEEPING
14:00	18:00	4.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 8,431' TO 8,657', 226' (56.5 FPH. AVG. ROP ON BTM) USING 550 GPM, 1825 PSI, 110 RPM, 20-22 WOB, 9500 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.3 MW OUT 9.6 AVG/MAX/CONNECTION GAS 0 UNITS INCREASED DRILLING PARAMETERS TO 28 WOB,STOPPED REAMING CONNECTIONS UNDER 2 DEGREES. DEVIATION SURVEY @ 8343 1.1 DEG. CHECK SHOT AT 8,385' 1.3 DEG. CHECK SHOT AT 8,434' 1.7 DEG CHECK SHOT AT 8,476' 2.0 DEG. CHECK SHOT AT 8,522' 1.6 DEG.
18:00	22:00	4.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 8,657' TO 8,837', 180' (45 FPH. AVG. ROP ON BTM) USING 550 GPM, 1825 PSI, 110 RPM, 28 WOB, 9500 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.5 AVG/MAX/CONNECTION GAS 0 UNITS CHECK SHOT AT 8793' 1.7 DEG. 22:00 HOUR SAFETY BREAK - ICY CONDITIONS
22:00	0:00	2.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 8,837' TO 8,930', 93' (46.5 FPH. AVG. ROP ON BTM) USING 550 GPM, 1825 PSI, 110 RPM, 28 WOB, 9500 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.5 AVG/MAX/CONNECTION GAS 0 UNITS CHECK SHOT AT 8,838' 1.6 DEG.
Total Time		24.00					

Safety Incident? N **Days since Last RI:** 12.00

Environ Incident? N **Days since Last LTA:** 12.00

Incident Comments:
No incidents reported last 24 hours.

Weather Comments:

Other Remarks:

DIRECTIONS: FROM ANDREWS TAKE HIGHWAY 176 EAST FOR 9 MILES, TURN LEFT (NORTH) ON HIGHWAY 1788, TRAVEL 5 MILES TO RIG SIGN ON THE RIGHT, FOLLOW THE RIG SIGNS ON LEASE ROAD TO LOCATION

OXY DSM TRAILER NUMBER : (432) 253 - 7934
LEADER HES:CHARLES BULLARD (432) 894-3769

LIFE FLIGHT COORDINATES FOR STATE RUBY GRACE #11: LATITUDE = 32º 23' 47.78 N, LONGITUDE = 102º 24' 31.10 W

SAFETY TOPIC OF THE DAY:HOUSEKEEPING

DAYS WORKED WITH NO LTI: 12
DAYS WORKED SINCE LAST RI: 12

STOP CARDS: 10
SWA: 2
NEAR MISSES: 0
JSA's: 11
SAFETY MEETINGS: 6
LO/TO's: 1
PERMITS TO WORK: 4
POWER LINE CHECKLISTS: 0
PRE-SPUD RIG INSPECTIONS: 0
HAZARD ID's: 1
EP2 OBSERVATIONS:

BEST STOP CARD: OBSERVED CREWMEMBER ATTEMPTING TO GO UP IN THE MANLIFT TO REPAIR A WATERLINE WITHOUT DOING A JSA,EXPLAINED THE IMPORTANCE OF A JSA,HE REVIEWED THE JSA AND THE JOB CONTINUED WITHOUT INCIDENCE.

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/16/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	13

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	H&P 349	**Ref Datum:**	Original KB @3,069.80ft	**DFS:**	11.00
Today's MD:	9670 ft	**Progress:**	740 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$41,240
Prev MD:	8930 ft	**Rot Hrs Today:**	24.00 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$821,613
PBMD:		**Avg ROP Today:**	30.8 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,399,597

Current Formation: SPRABERRY@ **Lithology:**

Current Ops:

24-Hr Summary: DRILL 8 3/4" HOLE FROM 8,930' TO 9,670' 740' 30.8 AVG. ROP.

24-Hr Forecast: (RR 01/21/2013- ROL 01/22/2013) DRILL 8 3/4" PRODUCTION HOLE,TRIP OUT CHANGE BIT AND FLOW DRIFT,TRIP IN HOLE AND DRILL

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:	9.625in @ 1,768ft	**Str Wt Up/Dn:**	203.0/ 190.0 kip	**Pump Rate:**	553.4	**Conn:**	0	0
Next Casing:	9.625in @ 1,768ft	**Str Wt Rot:**	195.0 kip	**Pump Press:**	2000	**Trip:**	0	0
Last BOP Press Test:	01/09/2013	**Torq Off Btm:**	2,500.0 ft-lbf			**Backgr:**	2	2
Form Test/EMW:	FIT / 12.50 ppg	**Torq On Btm:**	9,000.0 ft-lbf					

PERSONNEL

Supervisor 1:	JOEL OWEN
Supervisor 2:	STONEY RABORN
Engineer:	DANIEL COOK
Geologist:	
Oxy Personnel:	2
Contractor Personnel:	12
Total on Site:	14

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build
9,290.0	1.40	0.00	9,288.07	158.8	0.0	158.8	0.03	-0.03
8,631.0	1.60	0.00	8,629.29	141.5	0.0	141.5	0.24	-0.24
8,036.0	3.00	0.00	8,034.79	117.6	0.0	117.6	0.34	0.34
7,441.0	1.00	0.00	7,440.18	96.9	0.0	96.9	0.06	0.06
6,447.0	0.40	0.00	6,446.26	84.7	0.0	84.7	0.01	0.01
5,447.0	0.30	0.00	5,446.28	78.6	0.0	78.6	0.04	-0.04

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
2	8.750	CAPROCK BITS	616-YR	39627	M223	6x16	1768		- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI
2	24.00	133.00	740	7902	30.8	59.4	25.0/30.0	80/110	1.178	191	150.7	1.0

MUD DATA - M-I SWACO

Engineer:	Brent Troyer	**MBT:**	0.0 lbm/bbl
Sample From:	In	**pH:**	11.0
Mud Type:	Gel Mud	**Pm / Pom:**	0.00
Time / MD:	17:00 / 9,522.0	**Pf / Mf:**	0.4 / 0.9
Density @ Temp:	9.40 / 65	**Chlorides:**	26,000
Rheology Temp:	120	**Ca+ / K+:**	520 / 0
Viscosity:	48.00	**CaCl2:**	0.00
PV / YP:	6 / 14	**Clom:**	0.00
Gels 10s/10m/30m:	5 / 8 / 11	**Lime:**	0.00
API WL:	45.00	**ES:**	0.00
HTHP WL:	0.00	**ECD:**	9.53
Cake API / HTHP:	.0 / .0	**n / K:**	0.00 / 0.000
Solids / Sol Corr:	1.20 / 0.00	**Carbonate:**	7 ppm
Oil / Water:	0.0 / 96.5	**Bicarbonate:**	0 ppm
Sand:	0.02	**Form Loss:**	0.0 / 0.0
Water Added:	386.0 bbl	**Fluid Disch:**	/
Oil Added:			
LGS:	6.30 / 57.20		

VG Meter: 9@3 / 11@6 / 14@100 / 17@200 / 20@300 / 26@600

Comments: In the last 24 hrs drilled from 8 657" to 9 522" with no reported problems. Dumped and diluted 245 bbls due to MW.

LAST OR CURRENT BHA

BHA No: 2 Bit No: 2 MD In: 1768 ft

Purpose: DRILL PRODUCTION HOLE MD Out:

Component	OD	ID	Jts	Length
HWDP	4.500	2.875	8	244.67
DRILLING JAR	6.250	2.625	1	32.42
HWDP	4.500	2.875	7	214.48
DRILL COLLAR	6.250	2.875	6	183.13
TELEDRIFT	6.500	3.250	1	4.47
INTEGRAL BLADE STABILIZER	8.625	2.500	1	5.50
DRILL COLLAR	6.125	2.875	1	30.13
INTEGRAL BLADE STABILIZER	8.625	2.500	1	4.91
DRILL COLLAR	6.250	2.875	1	31.29
SHOCK SUB	6.500	2.375	1	11.40
PDC BIT	8.750	2.875	1	1.00

Total Length: 763.40 ft **Wt below Jars:**

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Caustic Soda	Bag, 50 lb	15.00
Engineering Service	Each	1.00
Lime	Bag, 50 lb	9.00
Soda Ash	Bag, 50 lb	25.00

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING | STATE RUBY GRACE 11 | **Date:** 01/16/2013

Prim. Reason: ORIG DRILL VERT | USA | **Report No:** 13

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	4:00	4.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 8,930' TO 9,130',200' (50 FPH. AVG. ROP ON BTM) USING 550 GPM, 1940 PSI, 110 RPM, 28 WOB, 9500 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.5 AVG/MAX/CONNECTION GAS 0 UNITS CHECK SHOT @ 8974 1.8 DEG. CHECK SHOT @ 9054 2.2 DEG 04:00 HOUR SAFETY BREAK - WORKING ON HAZARD HUNT LIST
4:00	6:00	2.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 9,130' TO 9,220',90' (45 FPH. AVG. ROP ON BTM) USING 550 GPM, 1940 PSI, 110 RPM, 28 WOB, 9500 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.5 AVG/MAX/CONNECTION GAS 0 UNITS
6:00	10:00	4.00	31PRDR	DRILL	ROTDIR	P	DRILL 8 3/4" PRODUCTION HOLE FROM 9,220' TO 9,375', 155' (39 FPH. AVG. ROP ON BTM) USING 550 GPM, 2,050 PSI, 110 RPM, 28-30 WOB, 9500 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.5 AVG/MAX/CONNECTION GAS 0 UNITS SAFETY BREAK: MIXING CHEMICALS
10:00	14:00	4.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 9,375' TO 9,465', 75' (24 FPH. AVG. ROP ON BTM) USING 550 GPM, 2,050 PSI, 110 RPM, 28-30 WOB, 9500 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.5 AVG/MAX/CONNECTION GAS 0 UNITS SAFETY BREAK: PROPER TOOLS FOR THE JOB
14:00	18:00	4.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 9,465' TO 9,539', 74' (18.5 FPH. AVG. ROP ON BTM) USING 550 GPM, 2,050 PSI, 110 RPM, 28-30 WOB, 9500 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.5 AVG/MAX/CONNECTION GAS 0 UNITS NOTE: FLODRIFT STOPPED WORKING TECH WAS CALLED OUT AND WAS UNABLE TO MAKE REPAIRS, DECISION WAS MADE TO CONTINUE DRILLING AND RUN WIRELINE SURVEYS EVERY 1,000' SAFETY BREAK:
18:00	22:00	4.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 9,539' TO 9,631', 92' (23 FPH. AVG. ROP ON BTM) USING 550 GPM, 2,050 PSI, 85 RPM, 28-30 WOB, 9500 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.5 AVG/MAX/CONNECTION GAS 0 UNITS SAFETY BREAK -
22:00	0:00	2.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 9,631' TO 9,670', 39' (19.5 FPH. AVG. ROP ON BTM) USING 550 GPM, 2,050 PSI, 85 RPM, 28-30 WOB, 9500 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.5 AVG/MAX/CONNECTION GAS 0 UNITS
Total Time		24.00					

Safety Incident? N **Days since Last RI:** 13.00

Environ Incident? N **Days since Last LTA:** 13.00

Incident Comments:
No incidents reported last 24 hours.

Weather Comments:

Other Remarks:

DIRECTIONS: FROM ANDREWS TAKE HIGHWAY 176 EAST FOR 9 MILES, TURN LEFT (NORTH) ON HIGHWAY 1788, TRAVEL 5 MILES TO RIG SIGN ON THE RIGHT, FOLLOW THE RIG SIGNS ON LEASE ROAD TO LOCATION

OXY DSM TRAILER NUMBER : (432) 253 - 7934
LEADER HES:CHARLES BULLARD (432) 894-3769

LIFE FLIGHT COORDINATES FOR STATE RUBY GRACE #11: LATITUDE = 32º 23' 47.78 N, LONGITUDE = 102º 24' 31.10 W

SAFETY TOPIC OF THE DAY:DRILLING

DAYS WORKED WITH NO LTI: 13
DAYS WORKED SINCE LAST RI: 13

STOP CARDS: 10
SWA: 2
NEAR MISSES: 0
JSA's:14
SAFETY MEETINGS: 5
LO/TO's: 1
PERMITS TO WORK: 4
POWER LINE CHECKLISTS: 0
PRE-SPUD RIG INSPECTIONS: 0
HAZARD ID's: 1
EP2 OBSERVATIONS:

BEST STOP CARD: OBSERVED THIRD PARTY EMPLOYEE WITHOUT A FACE SHIELD WHILE USING A PRESSURE WASHER,STOPPED HIM AND EXPLAINED THE HAZARDS AND POLICIES,HE PUT ON A FACE SHIELD AND THE JOB CONTINUED WITHOUT INCIDENT.

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/17/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	14

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	H&P 349	**Ref Datum:**	Original KB @3,069.80ft	**DFS:**	12.00
Today's MD:	9970 ft	**Progress:**	300 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$46,849
Prev MD:	9670 ft	**Rot Hrs Today:**	15.00 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$868,462
PBMD:		**Avg ROP Today:**	20.0 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,399,597

Current Formation: DEAN@ **Lithology:**

Current Ops:

24-Hr Summary: DRILL 8 3/4" PRODUCTION HOLE FROM 9,670' TO 9,970', 300' AT 15 FPH, CHECK FLOW,TRIP OUT FOR A BIT AND MOTOR.

24-Hr Forecast: (RR 01/21/2013- ROL 01/22/2013),FINISH BIT AND MOTOR TRIP,CONTINUE TO DRILL 8 3/4" PRODUCTION HOLE

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:	9.625in @ 1,768ft	**Str Wt Up/Dn:**	212.0/ 194.0 kip	**Pump Rate:**	553.4	**Conn:**	0	0
Next Casing:	5.500in @ 11,400ft	**Str Wt Rot:**	197.0 kip	**Pump Press:**	2050	**Trip:**	0	0
Last BOP Press Test:	01/09/2013	**Torq Off Btm:**	2,500.0 ft-lbf			**Backgr:**	0	0
Form Test/EMW:	FIT / 12.50 ppg	**Torq On Btm:**	9,500.0 ft-lbf					

PERSONNEL

Supervisor 1:	JOEL OWEN
Supervisor 2:	STONEY RABORN
Engineer:	DANIEL COOK
Geologist:	
Oxy Personnel:	3
Contractor Personnel:	12
Total on Site:	15

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build
9,290.0	1.40	0.00	9,288.07	158.8	0.0	158.8	0.03	-0.03
8,631.0	1.60	0.00	8,629.29	141.5	0.0	141.5	0.24	-0.24
8,036.0	3.00	0.00	8,034.79	117.6	0.0	117.6	0.34	0.34
7,441.0	1.00	0.00	7,440.18	96.9	0.0	96.9	0.06	0.06
6,447.0	0.40	0.00	6,446.26	84.7	0.0	84.7	0.01	0.01
5,447.0	0.30	0.00	5,446.28	78.6	0.0	78.6	0.04	-0.04

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
2	8.750	CAPROCK BITS	616-YR	39627	M223	6x16	1768	9970	5-6-BT-A	D-1-BT-PR

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI
2	15.00	148.00	300	8202	20.0	55.4	28.0/32.0	85/95	1.178	193	150.7	1.0

MUD DATA - M-I SWACO

Engineer:	Brent Troyer	**MBT:**	0.0 lbm/bbl
Sample From:	In	**pH:**	11.0
Mud Type:	Gel Mud	**Pm / Pom:**	0.00
Time / MD:	17:00 / 9,970.0	**Pf / Mf:**	0.3 / 0.8
Density @ Temp:	9.40 / 75	**Chlorides:**	27,000
Rheology Temp:	120	**Ca+ / K+:**	720 / 0
Viscosity:	42.00	**CaCl2:**	0.00
PV / YP:	5 / 13	**Clom:**	0.00
Gels 10s/10m/30m:	4 / 7 / 10	**Lime:**	0.00
API WL:	45.00	**ES:**	0.00
HTHP WL:	0.00	**ECD:**	9.40
Cake API / HTHP:	.0 / .0	**n / K:**	0.00 / 0.000
Solids / Sol Corr:	1.30 / 0.00	**Carbonate:**	5 ppm
Oil / Water:	0.0 / 97.5	**Bicarbonate:**	0 ppm
Sand:	0.02	**Form Loss:**	0.0 / 0.0
Water Added:	0.0 bbl	**Fluid Disch:**	/
Oil Added:			
LGS:	6.20 / 56.60		

VG Meter: 8@3 / 11@6 / 14@100 / 16@200 / 18@300 / 23@600

Comments: In the last 24 hrs drilled from 9 552" to 9 970" with no reported problems. At 9 970" or 16:30 it was decided TOOH.

LAST OR CURRENT BHA

BHA No: 2 Bit No: 2 MD In: 1768 ft

Purpose: DRILL PRODUCTION HOLE MD Out: 9970 ft

Component	OD	ID	Jts	Length
HWDP	4.500	2.875	8	244.67
DRILLING JAR	6.250	2.625	1	32.42
HWDP	4.500	2.875	7	214.48
DRILL COLLAR	6.250	2.875	6	183.13
TELEDRIFT	6.500	3.250	1	4.47
INTEGRAL BLADE STABILIZER	8.625	2.500	1	5.50
DRILL COLLAR	6.125	2.875	1	30.13
INTEGRAL BLADE STABILIZER	8.625	2.500	1	4.91
DRILL COLLAR	6.250	2.875	1	31.29
SHOCK SUB	6.500	2.375	1	11.40
PDC BIT	8.750	2.875	1	1.00

Total Length: 763.40 ft **Wt below Jars:**

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Caustic Soda	Bag, 50 lb	5.00
Engineering Service	Each	1.00
Pecan Nut Plug Medium	Bag, 50 lb	1.00
Soda Ash	Bag, 50 lb	10.00

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/17/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	14

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	4:00	4.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 9,670' TO 9,760',90' (22.5FPH. AVG. ROP ON BTM) USING 550 GPM, 2,050 PSI, 85 RPM, 28-30 WOB, 9500 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.5 AVG/MAX/CONNECTION GAS 0 UNITS
4:00	6:00	2.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 9,760' TO 9,794',34' (17 FPH. AVG. ROP ON BTM) USING 550 GPM, 2,050 PSI, 85 RPM, 28-30 WOB, 9500 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.5 AVG/MAX/CONNECTION GAS 0 UNITS
6:00	10:00	4.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 9,794' TO 9,885', 91' (23 FPH. AVG. ROP ON BTM) USING 550 GPM, 2,050 PSI, 95 RPM, 30-30 WOB, 9500 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.5 AVG/MAX/CONNECTION GAS 0 UNITS SAFETY BREAK: PROPER TOOLS FOR THE JOB
10:00	15:00	5.00	31PRDR	DRILL	ROTVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 9,885' TO 9,970', 85' (17 FPH. AVG. ROP ON BTM) USING 550 GPM, 2,050 PSI, 65-120 RPM, 20-35 WOB, 10,500 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.5 AVG/MAX/CONNECTION GAS 0 UNITS NOTE: DISCUSSED LOW ROP WITH DE MADE ATTEMTS TO INCREASE ROP BY ADJUSTING DRILLING PARMETERS, DECISION WAS MADE TO TOOH P/U NEW BIT MUD MOTOR & FLODRIFT TOOL. SAFETY BREAK: FORK LIFT SAFETY
15:00	16:00	1.00	31PRDR	DRILL	ROTVER	P	CIRCULATE HOLE, BUILD SLUG, PREPARE FOR BIT TRIP
16:00	18:00	2.00	31PRDR	TRIP	DRILL	P	CHECK FLOW AND TRIP OUT OF THE HOLE FOR A BIT FROM 9,970' TO 9,175' MONITORING HOLE FILL, HOLE TAKING PROPER FILL.
18:00	19:30	1.50	31PRDR	TRIP	DRILL	P	CONTINUE TO TRIP OUT OF THE HOLE FOR A BIT FROM 9,175' TO 8,007' MONITORING HOLE FILL, HOLE TAKING PROPER FILL.
19:30	21:00	1.50	31PRDR	RIGMT	REP	P	PIPE WRANGLER SKATE CHAIN CAME OFF TRACK,PUT CHAIN BACK ON,ADJUSTED CHAIN,REPAIRED HYDRAULIC LEAK.
21:00	22:00	1.00	31PRDR	TRIP	DRILL	P	CONTINUE TO TRIP OUT OF THE HOLE FOR A BIT FROM 8,007' TO 7,065" MONITORING HOLE FILL, (HOLE TAKING PROPER FILL).,NO DRAG 22:00 HOUR SAFETY BREAK - TRIPPING PIPE
22:00	0:00	2.00	31PRDR	TRIP	DRILL	P	CONTINUE TO TRIP OUT OF THE HOLE FOR A BIT FROM 7,065' TO 5,509' MONITORING HOLE FILL, (HOLE TAKING PROPER FILL).,NO DRAG
Total Time		24.00					

Safety Incident?	N	**Days since Last RI:**	14.00	**Weather Comments:**
Environ Incident?	N	**Days since Last LTA:**	14.00	

Incident Comments:
No incidents reported last 24 hours.

Other Remarks:

DIRECTIONS: FROM ANDREWS TAKE HIGHWAY 176 EAST FOR 9 MILES, TURN LEFT (NORTH) ON HIGHWAY 1788, TRAVEL 5 MILES TO RIG SIGN ON THE RIGHT, FOLLOW THE RIG SIGNS ON LEASE ROAD TO LOCATION

OXY DSM TRAILER NUMBER : (432) 253 - 7934
LEADER HES:CHARLES BULLARD (432) 894-3769

LIFE FLIGHT COORDINATES FOR STATE RUBY GRACE #11: LATITUDE = 32º 23' 47.78 N, LONGITUDE = 102º 24' 31.10 W

SAFETY TOPIC OF THE DAY: FALL PROTECTION FROM FATALITY SAFETY ALERT.

DAYS WORKED WITH NO LTI: 14
DAYS WORKED SINCE LAST RI: 14

STOP CARDS: 10
SWA: 2
NEAR MISSES: 0
JSA's:14
SAFETY MEETINGS: 5
LO/TO's: 1
PERMITS TO WORK: 4
POWER LINE CHECKLISTS: 0
PRE-SPUD RIG INSPECTIONS: 0
HAZARD ID's: 1
EP2 OBSERVATIONS:

BEST STOP CARD: OBSERVED THIRD PARTY DRIVE AROUND BEHIND HOUSES AND NOT CALL IN,EXPLAINED THE HAZARDS AND POLICIES OF NOT COMING THROUGH THE GATE
HE COMPLIED AND THE JOB CONTINUED WITHOUT INCIDENT.

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/18/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	15

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	H&P 349	**Ref Datum:**	Original KB @3,069.80ft	**DFS:**	13.00
Today's MD:	10,087 ft	**Progress:**	117 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$53,457
Prev MD:	9970 ft	**Rot Hrs Today:**	2.50 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$924,119
PBMD:		**Avg ROP Today:**	46.8 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,399,597

Current Formation: DEAN@ **Lithology:**

Current Ops:

24-Hr Summary: TRIP OUT OF THE HOLE,MAKE UP BIT #3, AND PICK UP MOTOR,TEST FLOW DRIFT,TRIP IN HOLE,WASH 120' TO BOTTOM,DRILL 8 3/4" P

24-Hr Forecast: (RR 01/23/2013- ROL 01/24/2013)CONTINUE TO DRILL 8 3/4" PRODUCTION HOLE

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:	9.625in @ 1,768ft	**Str Wt Up/Dn:**	213.0/ 200.0 kip	**Pump Rate:**	525.3	**Conn:**	0	0
Next Casing:	5.500in @ 11,400ft	**Str Wt Rot:**	208.0 kip	**Pump Press:**	2150	**Trip:**	0	0
Last BOP Press Test:	01/09/2013	**Torq Off Btm:**	2,500.0 ft-lbf			**Backgr:**	0	0
Form Test/EMW:	FIT / 12.50 ppg	**Torq On Btm:**	7,500.0 ft-lbf					

PERSONNEL

Supervisor 1:	JOEL OWEN
Supervisor 2:	STONEY RABORN
Engineer:	DANIEL COOK
Geologist:	
Oxy Personnel:	2
Contractor Personnel:	12
Total on Site:	14

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build
9,922.0	2.40	0.00	9,919.71	179.7	0.0	179.7	0.16	0.16
9,290.0	1.40	0.00	9,288.07	158.8	0.0	158.8	0.03	-0.03
8,631.0	1.60	0.00	8,629.29	141.5	0.0	141.5	0.24	-0.24
8,036.0	3.00	0.00	8,034.79	117.6	0.0	117.6	0.34	0.34
7,441.0	1.00	0.00	7,440.18	96.9	0.0	96.9	0.06	0.06
6,447.0	0.40	0.00	6,446.26	84.7	0.0	84.7	0.01	0.01

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
3	8.750	NATIONAL OILWELL	DSHI616M	A164135	M422	6x16	9970	11,424	- -	- -
2	8.750	CAPROCK BITS	616-YR	39627	M223	6x16	1768	9970	5-6-BT-A	D-1-BT-PR

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI
3	2.50	2.50	117	117	46.8	46.8	22.0/28.0	60/70	1.178	168	143.1	0.9

MUD DATA - M-I SWACO

Engineer:	Brent Troyer	**MBT:**	0.0 lbm/bbl
Sample From:	In	**pH:**	10.5
Mud Type:	Gel Mud	**Pm / Pom:**	0.00
Time / MD:	17:00 / 9,970.0	**Pf / Mf:**	0.3 / 0.8
Density @ Temp:	9.20 / 65	**Chlorides:**	18,000
Rheology Temp:	120	**Ca+ / K+:**	520 / 0
Viscosity:	44.00	**CaCl2:**	0.00
PV / YP:	8 / 10	**Clom:**	0.00
Gels 10s/10m/30m:	3 / 6 / 8	**Lime:**	0.00
API WL:	45.00	**ES:**	0.00
HTHP WL:	0.00	**ECD:**	9.20
Cake API / HTHP:	.0 / .0	**n / K:**	0.00 / 0.000
Solids / Sol Corr:	0.80 / 0.00	**Carbonate:**	6 ppm
Oil / Water:	0.0 / 97.5	**Bicarbonate:**	0 ppm
Sand:	0.03	**Form Loss:**	0.0 / 0.0
Water Added:	131.0 bbl	**Fluid Disch:**	/
Oil Added:			
LGS:	5.30 / 48.20		

VG Meter: 7@3 / 9@6 / 12@100 / 16@200 / 18@300 / 26@600

Comments: In the last 24 hrs finihsed TOOH with no reported problems.
Once TOOH replaced caprock with reed 8.75" bit and ran mud m

LAST OR CURRENT BHA

BHA No: 3 Bit No: 3 MD In: 9970 ft

Purpose: FINISH DRILLING 8 3/4" PRODUCTION HOLE MD Out: 11,424 ft

Component	OD	ID	Jts	Length
HWDP	4.500	2.875	8	244.67
DRILLING JAR	6.250	2.625	1	32.42
HWDP	4.500	2.875	7	214.48
DRILL COLLAR	6.250	2.875	6	183.13
TELEDRIFT	6.500	3.250	1	4.47
INTEGRAL BLADE STABILIZER	8.625	2.500	1	5.50
DRILL COLLAR	6.125	2.875	1	30.13
INTEGRAL BLADE STABILIZER	8.625	2.500	1	4.91
DRILL COLLAR	6.250	2.875	1	31.29
POSITIVE DISPLACEMENT MOTOR	6.500	2.375	1	32.16
PDC BIT	8.750	2.875	1	1.00

Total Length: 784.16 ft **Wt below Jars:**

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Engineering Service	Each	1.00

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/18/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	15

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	4:00	4.00	31PRDR	TRIP	DRILL	PT	CONTINUE TO TRIP OUT OF THE HOLE FOR A BIT FROM 5,509' TO 763' (BHA) TRIP OUT WITH THE BHA. MONITORING HOLE FILL, (HOLE TAKING PROPER FILL).,NO DRAG WELL STATIC 04:00 HOUR SAFETY BREAK - WORKING BHA
4:00	6:00	2.00	31PRDR	TRIP	DRILL	PT	BREAK BIT, SHOCK SUB,CALIPER BAKER MUD MOTOR,PICK UP MOTOR,MAKE UP BIT # 3,TRIP IN HOLE WITH MOTOR. 8 3/4" NOV/REED BIT 6.5 BAKER M1XL/LS MUD MOTOR WITH FLOAT.
6:00	10:00	4.00	31PRDR	TRIP	DRILL	PT	P/U 8 5/8 IBS, DRILL COLLARS, JARS & HWDP, TEST FLODRIFT (GOOD TEST) CONTINUE TO TIH, SAFETY BREAK: PINCH POINTS
10:00	14:00	4.00	31PRDR	TRIP	DRILL	PT	TIH F/ 784' - 5,750, HOLE GIVING PROPER DISPLACEMENT, FILL PIPE EVERY 30 STANDS
14:00	18:00	4.00	31PRDR	TRIP	DRILL	PT	CONTINUE TO TIH F/ 5,750 - 9,440' FILL PIPE EVERY 30 STANDS, TAKING PROPER DISPLACEMENT
18:00	19:00	1.00	31PRDR	TRIP	DRILL	PT	CONTINUE TO TIH F/ 9440- 9,850' FILL PIPE EVERY 30 STANDS, TAKING PROPER DISPLACEMENT
19:00	19:30	0.50	31PRDR	REAM	PRRM	PT	PRECAUTIONARY WASH AND REAM FROM 9,850' TO 9,970' (NO FILL)
19:30	22:00	2.50	31PRDR	DRILL	MTRVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 9,970' TO 10024' (36 FPH. AVG. ROP ON BTM) USING 500 GPM, 2,070 OBP PSI, 60 SRPM,80 MMRPM,140 BIT RPM 18-25 WOB, 6000 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.5 AVG/MAX/CONNECTION GAS 0 UNITS 22:00 HOUR SAFETY BREAK - FORKLIFT SAFETY
22:00	0:00	2.00	31PRDR	DRILL	MTRVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 9,970' TO 10,087',117' (58.5 FPH. AVG. ROP ON BTM) USING 500 GPM, 2,070 OBP PSI, 60 SRPM,80 MMRPM,140 BIT RPM 18-25 WOB, 6000 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.5 AVG/MAX/CONNECTION GAS 0 UNITS
Total Time		24.00					

Safety Incident?	N	**Days since Last RI:**	15.00	**Weather Comments:**
Environ Incident?	N	**Days since Last LTA:**	15.00	

Incident Comments:
No incidents reported last 24 hours.

Other Remarks:

DIRECTIONS: FROM ANDREWS TAKE HIGHWAY 176 EAST FOR 9 MILES, TURN LEFT (NORTH) ON HIGHWAY 1788, TRAVEL 5 MILES TO RIG SIGN ON THE RIGHT, FOLLOW THE RIG SIGNS ON LEASE ROAD TO LOCATION

OXY DSM TRAILER NUMBER : (432) 253 - 7934
LEADER HES:CHARLES BULLARD (432) 894-3769

LIFE FLIGHT COORDINATES FOR STATE RUBY GRACE #11: LATITUDE = 32º 23' 47.78 N, LONGITUDE = 102º 24' 31.10 W

SAFETY TOPIC OF THE DAY: FALL PROTECTION FROM FATALITY SAFETY ALERT.

DAYS WORKED WITH NO LTI: 15
DAYS WORKED SINCE LAST RI: 15

STOP CARDS: 10
SWA: 2
NEAR MISSES: 0
JSA's:14
SAFETY MEETINGS: 6
LO/TO's: 1
PERMITS TO WORK: 4
POWER LINE CHECKLISTS: 0
PRE-SPUD RIG INSPECTIONS: 0
HAZARD ID's: 1
EP2 OBSERVATIONS:

BEST STOP CARD: OBSERVED EMPLOYEE ATTEMPT TO JUMP FROM THE BULK HOPPER SKID TO THE MUD TANK SKID TO AVOID GETTING HIS BOOTS MUDDY,STOPPED HIM AND EXPLAINED THE HAZARD OF FALLING,HE UNDERSTOOD AND THE JOB CONTINUED WITHOUT INCIDENT.

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/19/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	16

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	H&P 349	**Ref Datum:**	Original KB @3,069.80ft	**DFS:**	14.00
Today's MD:	11,373 ft	**Progress:**	1286 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$60,626
Prev MD:	10,087 ft	**Rot Hrs Today:**	24.00 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$984,745
PBMD:		**Avg ROP Today:**	53.6 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,399,597

Current Formation: SPRABERRY@ **Lithology:**

Current Ops:

24-Hr Summary: DRILL 8 3/4" PRODUCTION HOLE FROM 10,087' TO 11,373' 1,286' AT 53.5 FPH

24-Hr Forecast: (RR 01/22/2013- ROL 01/23/2013)CONTINUE TO DRILL 8 3/4" PRODUCTION HOLE TO 11,424' TD,LAY DOWN DRILL STRING,RUN 5 1/2" PRO

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:	9.625in @ 1,768ft	**Str Wt Up/Dn:**	225.0/ 205.0 kip	**Pump Rate:**	530.0	**Conn:**	0	0
Next Casing:	5.500in @ 11,400ft	**Str Wt Rot:**	210.0 kip	**Pump Press:**	2350	**Trip:**	0	0
Last BOP Press Test:	01/09/2013	**Torq Off Btm:**	3,000.0 ft-lbf			**Backgr:**	0	0
Form Test/EMW:	FIT / 12.50 ppg	**Torq On Btm:**	9,500.0 ft-lbf					

PERSONNEL

Supervisor 1:	JOEL OWEN
Supervisor 2:	STONEY RABORN
Engineer:	DANIEL COOK
Geologist:	
Oxy Personnel:	2
Contractor Personnel:	12
Total on Site:	14

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build
11,316.0	0.70	0.00	11,313.02	222.9	0.0	222.9	0.85	-0.85
11,139.0	2.20	0.00	11,136.09	218.4	0.0	218.4	0.08	0.08
10,192.0	1.40	0.00	10,189.56	188.7	0.0	188.7	0.37	-0.37
9,922.0	2.40	0.00	9,919.71	179.7	0.0	179.7	0.16	0.16
9,290.0	1.40	0.00	9,288.07	158.8	0.0	158.8	0.03	-0.03
8,631.0	1.60	0.00	8,629.29	141.5	0.0	141.5	0.24	-0.24

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
3	8.750	NATIONAL OILWELL	DSHI616M	A164135	M422	6x16	9970	11,424	- -	- -
2	8.750	CAPROCK BITS	616-YR	39627	M223	6x16	1768	9970	5-6-BT-A	D-1-BT-PR

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI
3	24.00	26.50	1286	1403	53.6	52.9	25.0/30.0	70/70	1.178	175	144.3	0.9

MUD DATA - M-I SWACO

Engineer:	Brent Troyer	**MBT:**	0.0 lbm/bbl
Sample From:	In	**pH:**	11.0
Mud Type:	Gel Mud	**Pm / Pom:**	0.00
Time / MD:	18:00 / 11,095.0	**Pf / Mf:**	0.3 / 0.9
Density @ Temp:	9.40 / 70	**Chlorides:**	28,000
Rheology Temp:	120	**Ca+ / K+:**	240 / 0
Viscosity:	45.00	**CaCl2:**	0.00
PV / YP:	7 / 14	**Clom:**	0.00
Gels 10s/10m/30m:	4 / 0 / 11	**Lime:**	0.00
API WL:	7.00	**ES:**	0.00
HTHP WL:	0.00	**ECD:**	9.60
Cake API / HTHP:	2.0 / .0	**n / K:**	0.00 / 0.000
Solids / Sol Corr:	1.30 / 0.00	**Carbonate:**	5 ppm
Oil / Water:	0.0 / 96.5	**Bicarbonate:**	0 ppm
Sand:	0.03	**Form Loss:**	0.0 / 0.0
Water Added:	250.0 bbl	**Fluid Disch:**	/
Oil Added:			
LGS:	6.10 / 55.90		

VG Meter: 8@3 / 13@6 / 15@100 / 17@200 / 21@300 / 28@600

Comments: In the last 24 hrs drilled from 9 970" to 11 095" with no reported problems. Starched up starting at 11 000" and achieve

LAST OR CURRENT BHA

BHA No: 3 Bit No: 3 MD In: 9970 ft

Purpose: FINISH DRILLING 8 3/4" PRODUCTION HOLE MD Out: 11,424 ft

Component	OD	ID	Jts	Length
HWDP	4.500	2.875	8	244.67
DRILLING JAR	6.250	2.625	1	32.42
HWDP	4.500	2.875	7	214.48
DRILL COLLAR	6.250	2.875	6	183.13
TELEDRIFT	6.500	3.250	1	4.47
INTEGRAL BLADE STABILIZER	8.625	2.500	1	5.50
DRILL COLLAR	6.125	2.875	1	30.13
INTEGRAL BLADE STABILIZER	8.625	2.500	1	4.91
DRILL COLLAR	6.250	2.875	1	31.29
POSITIVE DISPLACEMENT MOTOR	6.500	2.375	1	32.16
PDC BIT	8.750	2.875	1	1.00

Total Length: 784.16 ft **Wt below Jars:**

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Caustic Soda	Bag, 50 lb	13.00
Engineering Service	Each	1.00
My-Lo-Jel	Bag, 50 lb	75.00
Pecan Nut Plug Medium	Bag, 50 lb	3.00
Polypac R	Bag, 50 lb	4.00
Soda Ash	Bag, 50 lb	12.00

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING | STATE RUBY GRACE 11 | **Date:** 01/19/2013

Prim. Reason: ORIG DRILL VERT | USA | **Report No:** 16

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	4:00	4.00	31PRDR	DRILL	MTRVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 10,087' TO 10,299',212', 53 FPH. AVG. ROP ON BTM) USING 500 GPM, 2,070 OBP PSI, 60 SRPM,80 MMRPM,140 BIT RPM 18-25 WOB, 6000 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.5 AVG/MAX/CONNECTION GAS 0 UNITS 04:00 HOUR SAFETY BREAK - HAND PLACEMENT DEVIATION SURVEY CHECK SHOT AT 10,192' 1.4 DEG.
4:00	6:00	2.00	31PRDR	DRILL	MTRVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 10,299' TO 10,422', 61.5 FPH. AVG. ROP ON BTM) USING 500 GPM, 2,550 OBP PSI, 60 SRPM, 80 MMRPM,140 BIT RPM 18-25 WOB, 6000 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.5 AVG/MAX/CONNECTION GAS 0 UNITS
6:00	10:00	4.00	31PRDR	DRILL	MTRVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 10,422' TO 10,670' 248, 62 FPH. AVG. ROP ON BTM) USING 500 GPM, 2,525 OBP PSI, 60 SRPM, 80 MMRPM,140 BIT RPM 25-28 WOB, 9000 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.5 AVG/MAX/CONNECTION GAS 0 UNITS SAFETY BREAK: HAND & FOOT PLACEMENT
10:00	14:00	4.00	31PRDR	DRILL	MTRVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 10,670' TO 10,885, 215' @ 54 FPH. AVG. ROP ON BTM) USING 500 GPM, 2,525 OBP PSI, 60 SRPM, 80 MMRPM,140 BIT RPM 25-28 WOB, 9000 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.5 AVG/MAX/CONNECTION GAS 0 UNITS SAFETY BREAK: GOOD HOUSE KEEPING
14:00	18:00	4.00	31PRDR	DRILL	MTRVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 10,885' TO 11,068', 183' @ 45.7 FPH. AVG. ROP ON BTM) USING 500 GPM, 2,525 OBP PSI, 60 SRPM, 80 MMRPM,140 BIT RPM 25-28 WOB, 9000 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.5 AVG/MAX/CONNECTION GAS 0 UNITS
18:00	22:00	4.00	31PRDR	DRILL	MTRVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 11,068' TO 11,277', 209' @ 52.2 FPH. AVG. ROP ON BTM) USING 500 GPM, 2,525 OBP PSI, 60 SRPM, 80 MMRPM,140 BIT RPM 25-28 WOB, 9000 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.5 AVG/MAX/CONNECTION GAS 0 UNITS 22:00 HOUR SAFETY BREAK - EYE INJURIES.
22:00	0:00	2.00	31PRDR	DRILL	MTRVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 11,277' TO 11,373', 96' @ 48 FPH. AVG. ROP ON BTM) USING 500 GPM, 2,525 OBP PSI, 60 SRPM, 80 MMRPM,140 BIT RPM 25-28 WOB, 9000 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.4 MW OUT 9.5 AVG/MAX/CONNECTION GAS 0 UNITS
Total Time		24.00					

Safety Incident? N **Days since Last RI:** 16.00

Environ Incident? N **Days since Last LTA:** 16.00

Incident Comments:
No incidents reported last 24 hours.

Weather Comments:

Other Remarks:

DIRECTIONS: FROM ANDREWS TAKE HIGHWAY 176 EAST FOR 9 MILES, TURN LEFT (NORTH) ON HIGHWAY 1788, TRAVEL 5 MILES TO RIG SIGN ON THE RIGHT, FOLLOW THE RIG SIGNS ON LEASE ROAD TO LOCATION

OXY DSM TRAILER NUMBER : (432) 253 - 7934
LEADER HES:CHARLES BULLARD (432) 894-3769

LIFE FLIGHT COORDINATES FOR STATE RUBY GRACE #11: LATITUDE = 32º 23' 47.78 N, LONGITUDE = 102º 24' 31.10 W

SAFETY TOPIC OF THE DAY: MENTORING SHORT SERVICE EMPLOYEES.

DAYS WORKED WITH NO LTI: 16
DAYS WORKED SINCE LAST RI: 16

STOP CARDS: 10
SWA: 2
NEAR MISSES: 0
JSA's:16
SAFETY MEETINGS: 5
LO/TO's: 1
PERMITS TO WORK: 2
POWER LINE CHECKLISTS: 0
PRE-SPUD RIG INSPECTIONS: 0
HAZARD ID's: 1
EP2 OBSERVATIONS:

BEST STOP CARD: OBSERVED EMPLOYEE WORKING ON ST-80 WITHOUT LOCKING THEM OUT,EXPLAINED THE HAZARD,HE LOCKED THEM OUT. AND THE JOB CONTINUED WITHOUT INCIDENT.

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/20/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	17

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	H&P 349	**Ref Datum:**	Original KB @3,069.80ft	**DFS:**	15.00
Today's MD:	11,424 ft	**Progress:**	51 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$43,662
Prev MD:	11,373 ft	**Rot Hrs Today:**	1.50 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$1,028,407
PBMD:		**Avg ROP Today:**	34.0 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,399,597

Current Formation: SPRABERRY@ **Lithology:**

Current Ops:

24-Hr Summary: DRILL 8 3/4" PRODUCTION HOLE FROM 11373 TO 11424, 51',34 FPH,LAY DOWN DRILL STRING,PULL WEAR BUSHING, RIG UP AND RUN 5

24-Hr Forecast: (RR 01/22/2013- ROL 01/23/2013)CONTINUE TO RUN 5 1/2" PRODUCTION CASING,CEMENT,NIPPLE DOWN BOP,INSTALL WELL HEAD.

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:	9.625in @ 1,768ft	**Str Wt Up/Dn:**	225.0/ 205.0 kip	**Pump Rate:**	525.3	**Conn:**	0	0
Next Casing:	5.500in @ 11,400ft	**Str Wt Rot:**	210.0 kip	**Pump Press:**	2350	**Trip:**	0	0
Last BOP Press Test:	01/09/2013	**Torq Off Btm:**	2,300.0 ft-lbf			**Backgr:**	0	0
Form Test/EMW:	FIT / 12.50 ppg	**Torq On Btm:**	10,000.0 ft-lbf					

PERSONNEL

Supervisor 1:	JOEL OWEN
Supervisor 2:	STONEY RABORN
Engineer:	DANIEL COOK
Geologist:	
Oxy Personnel:	2
Contractor Personnel:	14
Total on Site:	16

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build
11,316.0	0.70	0.00	11,313.02	222.9	0.0	222.9	0.85	-0.85
11,139.0	2.20	0.00	11,136.09	218.4	0.0	218.4	0.08	0.08
10,192.0	1.40	0.00	10,189.56	188.7	0.0	188.7	0.37	-0.37
9,922.0	2.40	0.00	9,919.71	179.7	0.0	179.7	0.16	0.16
9,290.0	1.40	0.00	9,288.07	158.8	0.0	158.8	0.03	-0.03
8,631.0	1.60	0.00	8,629.29	141.5	0.0	141.5	0.24	-0.24

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
3	8.750	NATIONAL OILWELL	DSHI616M	A164135	M422	6x16	9970	11,424	- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI
3	1.50	28.00	51	1454	34.0	51.9	25.0/30.0	70/70	1.178	180	145.7	0.9

MUD DATA - M-I SWACO

Engineer:	Brent Troyer	**MBT:**	0.0 lbm/bbl
Sample From:	In	**pH:**	10.0
Mud Type:	Gel Mud	**Pm / Pom:**	0.00
Time / MD:	17:00 / 11,425.0	**Pf / Mf:**	0.2 / 0.9
Density @ Temp:	9.40 / 65	**Chlorides:**	29,000
Rheology Temp:	120	**Ca+ / K+:**	240 / 0
Viscosity:	44.00	**CaCl2:**	0.00
PV / YP:	5 / 16	**Clom:**	0.00
Gels 10s/10m/30m:	4 / 6 / 9	**Lime:**	0.00
API WL:	8.00	**ES:**	0.00
HTHP WL:	0.00	**ECD:**	0.00
Cake API / HTHP:	2.0 / .0	**n / K:**	0.00 / 0.000
Solids / Sol Corr:	1.40 / 0.00	**Carbonate:**	4 ppm
Oil / Water:	0.0 / 97.5	**Bicarbonate:**	0 ppm
Sand:	0.02	**Form Loss:**	0.0 / 0.0
Water Added:	0.0 bbl	**Fluid Disch:**	/
Oil Added:			
LGS:	5.30 / 48.40		

VG Meter: 7@3 / 10@6 / 13@100 / 17@200 / 21@300 / 26@600

Comments: In the last 24 hrs drilled from 11 095" to 11 425" or TD wtih no reported problems. At TD pumped a 50 bbl hi vis sweep

LAST OR CURRENT BHA

BHA No: 3 Bit No: 3 MD In: 9970 ft

Purpose: FINISH DRILLING 8 3/4" PRODUCTION HOLE MD Out: 11,424 ft

Component	OD	ID	Jts	Length
HWDP	4.500	2.875	8	244.67
DRILLING JAR	6.250	2.625	1	32.42
HWDP	4.500	2.875	7	214.48
DRILL COLLAR	6.250	2.875	6	183.13
TELEDRIFT	6.500	3.250	1	4.47
INTEGRAL BLADE STABILIZER	8.625	2.500	1	5.50
DRILL COLLAR	6.125	2.875	1	30.13
INTEGRAL BLADE STABILIZER	8.625	2.500	1	4.91
DRILL COLLAR	6.250	2.875	1	31.29
POSITIVE DISPLACEMENT MOTOR	6.500	2.375	1	32.16
PDC BIT	8.750	2.875	1	1.00

Total Length: 784.16 ft **Wt below Jars:**

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Engineering Service	Each	1.00
Mi-wate	each	173.00
My-Lo-Jel	Bag, 50 lb	6.00
Sapp	Bag, 50 lb	1.00

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/20/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	17

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	1:30	1.50	31PRDR	DRILL	MTRVER	P	DRILL 8 3/4" PRODUCTION HOLE FROM 11,373' TO 11,424',51' @ 34 FPH. AVG. ROP ON BTM) USING 500 GPM, 2,525 OBP PSI, 60 SRPM, 80 MMRPM,140 BIT RPM 25-28 WOB, 9000 TRQ, PUMPING VISCOUS SWEEPS EVERY 90', MW IN 9.5 MW OUT 9.5 AVG/MAX/CONNECTION GAS 0 UNIT TD WELL 11,424' @ 01:30 (PUMPED 50 BBL. VISCOUS SWEEP ON LAST CONNECTION)
1:30	2:30	1.00	31PRDR	CIRC	CNDHOL	P	CIRCULATE BOTTOMS UP WITH 550 GPM 2,350 PSI, 9.5 MW IN AND OUT. DEVIATION SURVEY @ 11,316', 0.7 DEGREES CHECK WELL FOR FLOW (WELL STATIC) 02:00 HOUR SAFETY BREAK - TRIPPING PROCEDURES.
2:30	3:30	1.00	31PRDR	TRIP	DRILL	P	TRIP OUT OF HOLE FROM 11,424' TO 10,865' (HOLE TAKING PROPER FILL)
3:30	4:00	0.50	31PRDR	RIGMT	REP	PT	CHAIN BROKE ON POWER CATWALK SKATE. (RECIPROCATE PIPE WHILE REPAIRS ARE BEING MADE.
4:00	6:00	2.00	31PRDR	TRIP	DRILL	P	CONTINUE TO TRIP OUT OF THE HOLE FROM 10,865' TO 10,900
6:00	10:00	4.00	31PRDR	TRIP	DRILL	P	CONTINUE TO TOOH F/ 10,900' - 5,800' HOLE TAKING PROPER FILL, MAX DRAG 10-15 K MAX SAFETY BREAK: TEAM WORK
10:00	13:00	3.00	31PRDR	TRIP	DRILL	P	CONTINUE TO TOOH F/ 5,800' - 785' HOLE TAKING PROPER FILL, VERY LITTLE DRAG, PULL ROT HEAD SAFETY BREAK: GOOD HOUSE KEEPING
13:00	16:30	3.50	31PRDR	TRIP	DRILL	P	L/D 8.75 BHA, CLEAR RIG FLOOR, PULL WEAR BUSHING SAFETY BREAK:
16:30	18:00	1.50	31PRDR	CSG	RIGUP	P	HELD PJSM WITH ALL PERSONELL INVOLVED IN CASING RUN, INSTALL HYDRAULIC CASING SLIPS ON FLOOR, R/U CRT & PREPARE TO RUN 5.5 PRODUCTION CASING, INSTALL TRIP NIPPLE
18:00	21:00	3.00	31PRDR	CSG	RIGUP	P	CONTINUE TO RIG UP CRT,PICK UP A JOINT OF CASING,CALLIBRATE TORQUE TURN.
21:00	22:00	1.00	31PRDR	CSG	RUNCSG	P	MAKE UP THREAD LOCKED SHOE TRACK TORQUEING TO MAX TORQUE 4,260 (FT-LBS) USING TORQUE TURN AS FOLLOWS: 1- 5 1/2" FLOAT SHOE 2- 5 1/2" 17# LTC JOINTS OF CASING 1- 5 1/2" FLOAT COLLAR PUMP THROUGH SHOE TRACK 22:00 HOUR SAFETY BREAK - RUNNING CASING
22:00	0:00	2.00	31PRDR	CSG	RUNCSG	P	RUN 5 1/2" 17# LTC PRODUCTION CASING TO 896' TORQUEING TO OPTIMUM TORQUE USING TORQUE TURN, FILLING EVERY 10 JOINTS.
Total Time		24.00					

Safety Incident?	N	**Days since Last RI:**	17.00	**Weather Comments:**
Environ Incident?	N	**Days since Last LTA:**	17.00	

Incident Comments:
No incidents reported last 24 hours.

Other Remarks:

DIRECTIONS: FROM ANDREWS TAKE HIGHWAY 176 EAST FOR 9 MILES, TURN LEFT (NORTH) ON HIGHWAY 1788, TRAVEL 5 MILES TO RIG SIGN ON THE RIGHT, FOLLOW THE RIG SIGNS ON LEASE ROAD TO LOCATION

OXY DSM TRAILER NUMBER : (432) 253 - 7934
LEADER HES:CHARLES BULLARD (432) 894-3769

LIFE FLIGHT COORDINATES FOR STATE RUBY GRACE #11: LATITUDE = 32º 23' 47.78 N, LONGITUDE = 102º 24' 31.10 W

SAFETY TOPIC OF THE DAY: LAYING DOWN TUBULARS.

DAYS WORKED WITH NO LTI: 17
DAYS WORKED SINCE LAST RI: 17

STOP CARDS: 10
SWA: 2
NEAR MISSES: 0
JSA's:10
SAFETY MEETINGS: 5
LO/TO's: 1
PERMITS TO WORK: 2
POWER LINE CHECKLISTS: 0
PRE-SPUD RIG INSPECTIONS: 0
HAZARD ID's: 1
EP2 OBSERVATIONS:

BEST STOP CARD: OBSERVED EMPLOYEE UNDER THE ELEVATOR LINKS WHILE RUNNING CASING,TOLD HIM TO MOVE,EXPLAINED THE HAZARD HE UNDERSTOOD AND THE JOB CONTINUED WITHOUT INCIDENT.

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/21/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	18

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	H&P 349	**Ref Datum:**	Original KB @3,069.80ft	**DFS:**	16.00
Today's MD:	11,424 ft	**Progress:**	0 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$57,970
Prev MD:	11,424 ft	**Rot Hrs Today:**		**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$1,086,377
PBMD:		**Avg ROP Today:**	0.0 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,399,597

Current Formation: SPRABERRY@ **Lithology:**

Current Ops:

24-Hr Summary: RUN 5 1/2" PRODUCTION CASING FROM 896' TO 2,950',RIG DOWN CRT,RIG UP CASING CREW, RUN 5 1/2" PRODUCTION CASING TO 10,1

24-Hr Forecast: (RR 01/22/2013- ROL 01/23/2013) FINISH RUNNING 5 1/2" PRODUCTION CASING ,CEMENT,NIPPLE DOWN BOP,NIPPLE UP WELL HEAD,TE

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:	9.625in @ 1,768ft	**Str Wt Up/Dn:**	/	**Pump Rate:**	0.0	**Conn:**	0	0
Next Casing:	5.500in @ 11,400ft	**Str Wt Rot:**		**Pump Press:**	0	**Trip:**	0	0
Last BOP Press Test:	01/09/2013	**Torq Off Btm:**				**Backgr:**	0	0
Form Test/EMW:	FIT / 12.50 ppg	**Torq On Btm:**						

PERSONNEL

Supervisor 1:	JOEL OWEN
Supervisor 2:	STONEY RABORN
Engineer:	DANIEL COOK
Geologist:	
Oxy Personnel:	2
Contractor Personnel:	22
Total on Site:	24

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build
11,316.0	0.70	0.00	11,313.02	222.9	0.0	222.9	0.85	-0.85
11,139.0	2.20	0.00	11,136.09	218.4	0.0	218.4	0.08	0.08
10,192.0	1.40	0.00	10,189.56	188.7	0.0	188.7	0.37	-0.37
9,922.0	2.40	0.00	9,919.71	179.7	0.0	179.7	0.16	0.16
9,290.0	1.40	0.00	9,288.07	158.8	0.0	158.8	0.03	-0.03
8,631.0	1.60	0.00	8,629.29	141.5	0.0	141.5	0.24	-0.24

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
3	8.750	NATIONAL OILWELL	DSHI616M	A164135	M422	6x16	9970	11,424	- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI

MUD DATA - M-I SWACO

Engineer:	Brent Troyer	**MBT:**	0.0 lbm/bbl
Sample From:	In	**pH:**	9.0
Mud Type:	Gel Mud	**Pm / Pom:**	0.00
Time / MD:	17:00 / 11,425.0	**Pf / Mf:**	0.2 / 0.8
Density @ Temp:	9.30 / 65	**Chlorides:**	22,000
Rheology Temp:	120	**Ca+ / K+:**	200 / 0
Viscosity:	43.00	**CaCl2:**	0.00
PV / YP:	5 / 15	**Clom:**	0.00
Gels 10s/10m/30m:	4 / 7 / 10	**Lime:**	0.00
API WL:	8.00	**ES:**	0.00
HTHP WL:	0.00	**ECD:**	9.30
Cake API / HTHP:	2.0 / .0	**n / K:**	0.00 / 0.000
Solids / Sol Corr:	1.00 / 0.00	**Carbonate:**	4 ppm
Oil / Water:	0.0 / 98.5	**Bicarbonate:**	0 ppm
Sand:	0.02	**Form Loss:**	0.0 / 0.0
Water Added:	0.0 bbl	**Fluid Disch:**	/
Oil Added:			
LGS:	5.80 / 52.70		

VG Meter: 8@3 / 12@6 / 16@100 / 18@200 / 20@300 / 25@600

Comments: In the last 24 hrs rig crew ran 5.5 produciton casing with CRT until it was decided to call out B&L casing services

LAST OR CURRENT BHA

BHA No: 3 Bit No: 3 MD In: 9970 ft

Purpose: FINISH DRILLING 8 3/4" PRODUCTION HOLE MD Out: 11,424 ft

Component	OD	ID	Jts	Length
HWDP	4.500	2.875	8	244.67
DRILLING JAR	6.250	2.625	1	32.42
HWDP	4.500	2.875	7	214.48
DRILL COLLAR	6.250	2.875	6	183.13
TELEDRIFT	6.500	3.250	1	4.47
INTEGRAL BLADE STABILIZER	8.625	2.500	1	5.50
DRILL COLLAR	6.125	2.875	1	30.13
INTEGRAL BLADE STABILIZER	8.625	2.500	1	4.91
DRILL COLLAR	6.250	2.875	1	31.29
POSITIVE DISPLACEMENT MOTOR	6.500	2.375	1	32.16
PDC BIT	8.750	2.875	1	1.00

Total Length: 784.16 ft **Wt below Jars:**

MUD PRODUCTS

Product	Units	Qty Used
Air Comp Rent	Each	1.00
Engineering Service	Each	1.00

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/21/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	18

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	4:00	4.00	32PRRC	CSG	RUNCSG	P	RUN 5 1/2" 17# LTC PRODUCTION CASING FROM 896',TO 2,200'TORQUEING TO OPTIMUM TORQUE USING TORQUE TURN, FILLING EVERY 10 JOINTS.HAVING ISSUES WITH CASING TRYING TO CROSS-THREAD. 04:00 SAFETY BREAK - RUNNING CASING NOTE:CALLED CASING CREW AT 03:15
4:00	6:00	2.00	32PRRC	CSG	RUNCSG	P	CONTINUE TO RUN 5 1/2" TO 2,500' HAVING ISSUES MAKING UP CASING ETA OF CASING CREW 07:00
6:00	8:00	2.00	32PRRC	CSG	RUNCSG	P	CONTINUE RUNNING 5.5 PRODUCTION CASING TO 2,950, STILL HAVING ISSUES CROSS THREADING PIPE, NOTE: NOTIFIED DE DECISION WAS MADE TO R/U CASING TONGUES IN ATTEMPT TO MAKE UP CASING WITHOUT CROSS THREADING SAFETY BREAK: R/D CRT
8:00	11:30	3.50	32PRRC	CSG	RIGUP	P	HELD PJSM W/ CREWS, R/D CRT TOOL & EQUIPMENT, RIG UP B&L CASING EQUIPMENT
11:30	15:30	4.00	32PRRC	CSG	RUNCSG	P	CONTINUE RUNNING 5.5 PRODUCTION CASING F/ 2,950 - 5005, HAVING NO ISSUES WITH CROSS THREADING PIPE USING POWER TONGUES NOTE: NOTIFIED TRRC OF INTENT TO CEMENT 5.5 PRODUCTION CASING SAFETY BREAK: TEAM WORK & PINCH POINTS
15:30	19:30	4.00	32PRRC	CSG	RUNCSG	P	CONTINUE RUNNING 5.5 PRODUCTION CASING F/ 2,950 - 5,005,
19:30	23:00	3.50	32PRRC	CSG	RUNCSG	P	CONTINUE RUNNING 5.5 PRODUCTION CASING FROM 5,005' TO 10,060 22:00 HOUR SAFETY BREAK - MAKING UP CASING.
23:00	23:30	0.50	32PRRC	CSG	RUNCSG	P	HAVING TROUBLE MAKING UP CASING,LAYED DOWN TWO BAD JOINTS OF 5 1/2" PRODUCTION CASING.
23:30	0:00	0.50	32PRRC	CSG	RUNCSG	P	PICK UP TWO JOINTS OF 5 1/2" PRODUCTION CASING, CONTINUE TO RUN 5 1/2" PRODUCTION CASING FROM 10060' TO 10,110
Total Time		24.00					

Safety Incident?	N	**Days since Last RI:**	18.00	**Weather Comments:**
Environ Incident?	N	**Days since Last LTA:**	18.00	

Incident Comments:
No incidents reported last 24 hours.

Other Remarks:

DIRECTIONS: FROM ANDREWS TAKE HIGHWAY 176 EAST FOR 9 MILES, TURN LEFT (NORTH) ON HIGHWAY 1788, TRAVEL 5 MILES TO RIG SIGN ON THE RIGHT, FOLLOW THE RIG SIGNS ON LEASE ROAD TO LOCATION

OXY DSM TRAILER NUMBER : (432) 253 - 7934
LEADER HES:CHARLES BULLARD (432) 894-3769

LIFE FLIGHT COORDINATES FOR STATE RUBY GRACE #11: LATITUDE = 32º 23' 47.78 N, LONGITUDE = 102º 24' 31.10 W

SAFETY TOPIC OF THE DAY: LAYING DOWN TUBULARS.

DAYS WORKED WITH NO LTI: 18
DAYS WORKED SINCE LAST RI: 18

STOP CARDS: 10
SWA: 2
NEAR MISSES: 0
JSA's:10
SAFETY MEETINGS: 6
LO/TO's: 1
PERMITS TO WORK: 2
POWER LINE CHECKLISTS: 0
PRE-SPUD RIG INSPECTIONS: 0
HAZARD ID's: 1
EP2 OBSERVATIONS:

BEST STOP CARD: OBSERVED THIRD PARTY EMPLOYEE WITH HIS HEAD TO CLOSE TO THE CASING TONG SNUB LINE, TOLD HIM TO MOVE , EXPLAINED THE HAZARD AND THE JOB CONTINUED WITHOUT INCIDENT.

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event:	DEV DRILLING	STATE RUBY GRACE 11		**Date:**	01/22/2013
Prim. Reason:	ORIG DRILL VERT	USA		**Report No:**	19

Wellbore / Top MD:	00 @ 0 ft	**Rig:**	H&P 349	**Ref Datum:**	Original KB @3,069.80ft	**DFS:**	17.00
Today's MD:	11,424 ft	**Progress:**	0 ft	**Ground Elev:**	3,053.30 ft	**Daily Cost:**	$154,746
Prev MD:	11,424 ft	**Rot Hrs Today:**	0.00 hr	**AFE MD/Days:**	11,400.0 / 13.6 days	**Cum Cost:**	$1,241,122
PBMD:		**Avg ROP Today:**	0.0 ft/hr	**AFE Number:**	1154172#0102	**AFE Cost:**	$1,399,597

Current Formation: @ **Lithology:**

Current Ops:

24-Hr Summary: RUN 5 1/2" PRODUCTION CASING TO 11,324' WASH DOWN LANDED AT 11,414',CIRCULATE AND CEMENT AS PER PLAN,NIPPLE DOWN B(

24-Hr Forecast: (RR 01/22/2013- ROL 01/23/2013)FINISH RIGGING DOW AND MOVING TO THE UNIVERSITY CARRIE#16

CASING/WELL CONTROL		HOOKLOAD & TORQUE		HYDRAULICS		MUD GAS	Avg	Max
Last Casing:	9.625in @ 1,768ft	**Str Wt Up/Dn:**	/	**Pump Rate:**	0.0	**Conn:**		
Next Casing:	5.500in @ 11,400ft	**Str Wt Rot:**		**Pump Press:**	0	**Trip:**		
Last BOP Press Test:	01/09/2013	**Torq Off Btm:**				**Backgr:**		
Form Test/EMW:	FIT / 12.50 ppg	**Torq On Btm:**						

PERSONNEL

Supervisor 1:	JOEL OWEN
Supervisor 2:	STONEY RABORN
Engineer:	DANIEL COOK
Geologist:	
Oxy Personnel:	2
Contractor Personnel:	29
Total on Site:	31

SURVEY DATA (LAST 6)

MD	Incl	Azi	TVD	N/-S	E/-W	VS	DLS	Build
11,316.0	0.70	0.00	11,313.02	222.9	0.0	222.9	0.85	-0.85
11,139.0	2.20	0.00	11,136.09	218.4	0.0	218.4	0.08	0.08
10,192.0	1.40	0.00	10,189.56	188.7	0.0	188.7	0.37	-0.37
9,922.0	2.40	0.00	9,919.71	179.7	0.0	179.7	0.16	0.16
9,290.0	1.40	0.00	9,288.07	158.8	0.0	158.8	0.03	-0.03
8,631.0	1.60	0.00	8,629.29	141.5	0.0	141.5	0.24	-0.24

BIT RECORD

Bit No	Size	Manufacturer	Model	Serial No	IADC Code	Nozzles	MD In	MD Out	I-O-D-L	B-G-O-R
									- -	- -

BIT OPERATING PARAMETERS TODAY

Bit No	Rot Hrs	Cum Rot Hrs	Prog	Cum Prog	ROP	Cum ROP	WOB min/max	RPM min/max	TFA	P Drop Bit	Noz Vel	HHPSI

MUD DATA -

Engineer:		**MBT:**	
Sample From:		**pH:**	
Mud Type:		**Pm / Pom:**	
Time / MD:	/	**Pf / Mf:**	/
Density @ Temp:	/	**Chlorides:**	
Rheology Temp:		**Ca+ / K+:**	/
Viscosity:		**CaCl2:**	
PV / YP:	/	**Clom:**	
Gels 10s/10m/30m:	/ /	**Lime:**	
API WL:		**ES:**	
HTHP WL:		**ECD:**	
Cake API / HTHP:	/	**n / K:**	/
Solids / Sol Corr:	/	**Carbonate:**	
Oil / Water:	/	**Bicarbonate:**	
Sand:		**Form Loss:**	0.0 / 0.0
Water Added:		**Fluid Disch:**	/
Oil Added:			
LGS:	/		

VG Meter:

Comments:

LAST OR CURRENT BHA

Component	OD	ID	Jts	Length

MUD PRODUCTS

Product	Units	Qty Used

OXY USA INC

DAILY OPERATIONS PARTNER REPORT

Event: DEV DRILLING — STATE RUBY GRACE 11 — **Date:** 01/22/2013

Prim. Reason: ORIG DRILL VERT — USA — **Report No:** 19

OPERATIONS

From	To	Hrs	Op Phase	Op Code	Op Sub	Op Type	Operation Details
0:00	3:00	3.00	32PRRC	CSG	RUNCSG	P	CONTINUE TO RUN 5 1/2" PRODUCTION CASING FROM 10110 TO 11324', HAVING PROBLEMS MAKING UP CASING..
3:00	4:00	1.00	32PRRC	REAM	PRRM	P	PRECAUTIONARY WASH DOWN LAST JOINT OF 5 1/2" PRODUCTION CASING, TO 11,367', CIRCULATE BOTTOMS UP. 04:00 HOUR SAFETY BREAK - PICKING UP LANDING JOINT.
4:00	5:30	1.50	32PRRC	CSG	RUNCSG	P	PICK UP LANDING JOINT,SWEDGE UP,REMOVE HYDRAULIC CASING SLIPS WASH DOWN LANDING JOINT, LANDED CASING AT 11,414',WITH 165K SET DOWN ON MANDREL.
5:30	6:30	1.00	32PRRC	CIRC	CNDHOL	P	CIRCULATE 5 1/2" PRODUCTION CASING, SIMOPS: PJSM WITH B&L CASING, RIG DOWN CASING TONGS.
6:30	7:30	1.00	32PRRC	CMT	RIGUP	P	HELD PJSM W/ CEMENTERS & RIG CREW, R/U CEMENTING EQUIPMENT, PLUG INSTALLATION WITNESSED BY DSM
7:30	10:30	3.00	32PRRC	CMT	PRIM	P	PERFORM CEMENT JOB ON PRODUCTION CASING 5.5" 17 # L80 LTC AS FOLLOWS: TEST LINES TO 5000 PSI TESTED GOOD PUMP 20 BBL SPACER FRESH WATER AT 3 BPM 510 SKS., LEAD HALLIBURTON PREMIUM PLUS H CEMENT, 11.3 PPG, 2.49 YIELD 9.88 M/F AT 7 BPM WITH 675 PSI TAIL 1,090 SKS, SUPER H CEMENT, 13.0 PPG., 1.69 YLD., 6.36 M/F AT 7 BPM WITH 110 PSI DISPLACEMENT : DROPPED 5.5 PLUG (WITNESSED BY DSM) AT 09:18 HRS DISPLACEMENT 262 BBL BRINE WATER AT 8 BPM UNTIL LAST 20 BBLS, SLOWED DOWN 2 BPM FINAL LIFTING PRESSURE 1250 PSI, BUMPED PLUG TO 1,800 PSI, 500 PSI OVER AT 10:00 HOURS, FLOATS HELD GOT BACK 2 BBLS TO TUBS NO CEMENT RETURNED TO SURFACE HAD FULL RETURNS THROUGHOUT THE ENTIRE JOB
10:30	11:00	0.50	32PRRC	CMT	RIGUP	P	HELD PJSM, R/D CEMENTING EQUIPMENT
11:00	12:00	1.00	32PRRC	WLHD	RWH	P	SET PACKER, WASH THROUGH LINES, MUD PUMPS, TOP DRIVE SYSTEM, CHOKE & GASBUSTER, BEGIN CLEANING PITS, PERFORM CAT 3-5 9INSPECTION ON BHA COMPONENET
12:00	12:30	0.50	32PRRC	SAFE	PJSM	P	HELD PJSM W/ MONAHANS NIPPLE UP CREW & DRILL CREW, R/U EQUIPMENT
12:30	16:30	4.00	32PRRC	BOP	RDBOP	P	REMOVE TURN BUCKLES, BREAK BOLTS ON BOP STACK & PERFORM CAT 3-5 INSPECTION ON BHA COMPONENET, CONTINUE CLEANING PITS SAFETY BREAK: PROPER LOTO PROCEDURES
16:30	17:30	1.00	32PRRC	BOP	RDBOP	P	SET BOP'S ON TRANSPORTER, CONTINUE CLEANING MUD TANKS, MOVE FRAC TANKS TO NEW LOCATION, TAKE ON FRESH WATER IN OUTSIDE RESERVE ON NEW LOCATION, R/D MISC EQUIPMENT & PREPARE FOR RIG MOVE
17:30	18:30	1.00	32PRRC	WLHD	RWH	P	NIPPLE UP B SECTION WELL HEAD,TEST VOID TO 4,400 PSI. (TEST GOOD) RELEASE RIG AT 18:30 HOURS
Total Time		18.50					

Safety Incident? N — **Days since Last RI:** 19.00

Environ Incident? N — **Days since Last LTA:** 19.00

Incident Comments:
No incidents reported last 24 hours.

Weather Comments:

Other Remarks:

DIRECTIONS: FROM ANDREWS TAKE HIGHWAY 176 EAST FOR 9 MILES, TURN LEFT (NORTH) ON HIGHWAY 1788, TRAVEL 5 MILES TO RIG SIGN ON THE RIGHT, FOLLOW THE RIG SIGNS ON LEASE ROAD TO LOCATION

OXY DSM TRAILER NUMBER : (432) 253 - 7934
LEADER HES:CHARLES BULLARD (432) 894-3769

LIFE FLIGHT COORDINATES FOR STATE RUBY GRACE #11: LATITUDE = 32º 23' 47.78 N, LONGITUDE = 102º 24' 31.10 W

SAFETY TOPIC OF THE DAY: LAYING DOWN TUBULARS.

DAYS WORKED WITH NO LTI: 19
DAYS WORKED SINCE LAST RI: 19

STOP CARDS: 10
SWA: 2
NEAR MISSES: 0
JSA's:14
SAFETY MEETINGS: 6
LO/TO's:
PERMITS TO WORK: 5
POWER LINE CHECKLISTS: 0
PRE-SPUD RIG INSPECTIONS: 0
HAZARD ID's: 1
EP2 OBSERVATIONS:

BEST STOP CARD: OBSERVED EMPLOYEE USING MANLIFT WITHOUT A SPOTTER,EXPLAINED THE HAZARDS ,HE STARTED USING A SPOTTER AND THE JOB CONTINUED WITHOUT INCIDENT.

View Details...

Event		
In Progress		
RUBYGRACE-11 Dev Completion - Cased Hole		
01/29/2013		
Daily Summary		**Ruby Grace 11 WOC-Jim Lawson Daily Cost=$18568 Cum Cost=$18568 1-29-13 Install 10K frac stack. MIRU kill trk. Psi test csg & frac stack to 5000 psi. Psi test good.**
Total Cost for 01/29/2013	**$0.00**	
01/30/2013		
Wireline - Perforate		**Perf Lower Wolfcamp RU Halliburton Wireline. Perf w/ 3 1/8" csg gun perf. Using 3319-331T charges 19 gm. wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate @ 10813-10818, 10761-10765, 10614-10618 Total shots=52 & fired=52. Net feet = 199'.Reference log Halliburton CNL/GR/CCL dated 1-23-13.**
Bridge Plug - Composite - Set		**Set 51/2" Flo Thru Plug @ 10860**
Frac - Sand		**Frac Strawn RU Halliburton frac. Break down at 5264 @ 5 bpm. Pump 999 gal 15% Acid, 11004 gal treated water pre-pad, 16020 gal Hybor Gel Pre Pad, Pump 22576 gal Hybor G Pad, 82612 gal Hybor G w/ 97750# AcFrac CR-4000 20/40, 1036 gal 15% Ferchek acid, 9556 gal treated water flush. Avg rate= 71 bpm, Max. rate= 71 bpm, Avg psi= 4930 psi, Max. psi= 5751 psi, ISIP= 3196 psi. Total load= 144897 gal.**
Wireline - Perforate		**RUBY GRACE 11 1/30/13 WOC: Chuck Pannell Daily Cost: 30936.00 Accumulated Cost: 30936.00 Perf Strawn RU Halliburton Wireline. Perf w/ 3 1/8" csg gun perf. Using 3319-331T charges 19 gm. wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate @ 11134-11139, 11050-11054, 11006-11010 Total shots=52 & fired=52. Net feet = 128'.Reference log Halliburton CNL/GR/CCL dated 1-23-13.**
Job Cost Detail Report		
Daily Summary		**RUBY GRACE 11 1/30/13 WOC: Chuck Pannell Daily Cost: 30936.00 Accumulated Cost: 30936.00 Perf Strawn RU Halliburton Wireline. Perf w/ 3 1/8" csg gun perf. Using 3319-331T charges 19 gm. wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate @ 11134-11139, 11050-11054, 11006-11010 Total shots=52 & fired=52. Net feet = 128'.Reference log Halliburton CNL/GR/CCL dated 1-23-13. Frac Strawn RU Halliburton frac. Break down at 5264 @ 5 bpm. Pump 999 gal 15% Acid, 11004 gal treated water pre-pad, 16020 gal Hybor Gel Pre Pad, Pump 22576 gal Hybor G Pad, 82612 gal Hybor G w/ 97750# AcFrac CR-4000 20/40, 1036 gal 15% Ferchek acid, 9556 gal treated water flush. Avg rate= 71 bpm, Max. rate= 71 bpm, Avg psi= 4930 psi, Max. psi= 5751 psi, ISIP= 3196 psi. Total load= 144897 gal. Perf Lower Wolfcamp RU Halliburton Wireline. Set 51/2" Flo Thru Plug @ 10860 Perf w/ 3 1/8" csg gun perf. Using 3319-331T charges 19 gm. wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate @ 10813-10818, 10761-10765, 10614-10618 Total shots=52 & fired=52. Net feet = 199'.Reference log Halliburton CNL/GR/CCL dated 1-23-13. Frac Lower Wolfcamp RU Halliburton frac. Break down at 3820 @ 5 bpm. Pump 755 gal 15% Acid, 6032 gal treated water pre-pad, 12077 gal Hybor Gel Pre Pad, Pump 19216 gal Hybor G Pad, 87835 gal Hybor G w/ 133872# AcFrac CR-4000 20/40, 789 gal 15% Ferchek acid, 9448 gal treated water flush. Avg rate= 70 bpm, Max. rate= 73 bpm, Avg psi= 4394 psi, Max. psi= 5032 psi, ISIP= 3317 psi. Total load= 137114 gal. Perf Middle Wolfcamp RU Halliburton Wireline.**

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		Set 51/2" Flo Thru Plug @ 10500 Perf w/ 3 1/8" csg gun perf. Using 3319-331T charges 19 gm. wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate @ 10447-10453, 10332-10338 Total shots=48 & fired=48. Net feet = 115'.Reference log Halliburton CNL/GR/CCL dated 1-23-13. Frac Middle Wolfcamp RU Halliburton frac. Break down at 4272 @ 5 bpm. Pump 752 gal 15% Acid, 6051 gal treated water pre-pad, 9998 gal Hybor Gel Pre Pad, Pump 9811 gal Hybor G Pad, 64683 gal Hybor G w/ 145426# Brady 20/40, 785 gal 15% Ferchek acid, 9067 gal treated water flush. Avg rate= 70 bpm, Max. rate= 71 bpm, Avg psi= 3886 psi, Max. psi= 6000 psi, ISIP= 2025 psi. Total load= 101988 gal.
Frac - Sand		Frac Middle Wolfcamp RU Halliburton frac. Break down at 4272 @ 5 bpm. Pump 752 gal 15% Acid, 6051 gal treated water pre-pad, 9998 gal Hybor Gel Pre Pad, Pump 9811 gal Hybor G Pad, 64683 gal Hybor G w/ 145426# Brady 20/40, 785 gal 15% Ferchek acid, 9067 gal treated water flush. Avg rate= 70 bpm, Max. rate= 71 bpm, Avg psi= 3886 psi, Max. psi= 6000 psi, ISIP= 2025 psi. Total load= 101988 gal.
Wireline - Perforate		Perf Middle Wolfcamp RU Halliburton Wireline. Perf w/ 3 1/8" csg gun perf. Using 3319-331T charges 19 gm. wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate @ 10447-10453, 10332-10338 Total shots=48 & fired=48. Net feet = 115'.Reference log Halliburton CNL/GR/CCL dated 1-23-13.
Bridge Plug - Composite - Set		Set 51/2" Flo Thru Plug @ 10500
Frac - Sand		Frac Lower Wolfcamp RU Halliburton frac. Break down at 3820 @ 5 bpm. Pump 755 gal 15% Acid, 6032 gal treated water pre-pad, 12077 gal Hybor Gel Pre Pad, Pump 19216 gal Hybor G Pad, 87835 gal Hybor G w/ 133872# AcFrac CR-4000 20/40, 789 gal 15% Ferchek acid, 9448 gal treated water flush. Avg rate= 70 bpm, Max. rate= 73 bpm, Avg psi= 4394 psi, Max. psi= 5032 psi, ISIP= 3317 psi. Total load= 137114 gal.
Total Cost for 01/30/2013	**$30,936.00**	
01/31/2013		
Daily Summary		RUBY GRACE 11 1/31/13 WOC: Chuck Pannell Daily Cost: 438569.00 Accumulated Cost: 469505.00 Perf Upper Wolfcamp RU Halliburton Wireline. Set 51/2" Flo Thru Plug @ 10080, Perf w/ 3 1/8" csg gun perf. Using 3319-331T charges 19 gm. wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate @ 10035-10042, 9935-9940 Total shots=48 & fired=48. Net feet = 100'.Reference log Halliburton CNL/GR/CCL dated 1-23-13. Frac Upper Wolfcamp RU Halliburton frac. Break down at 4913 @ 5 bpm. Pump 761 gal 15% Acid, 5977 gal treated water pre-pad, 10010 gal Hybor Gel Pre Pad, Pump 9931 gal Hybor G Pad, 45398 gal Hybor G w/ 88017# Brady 20/40, 780 gal 15% Ferchek acid, 8664 gal treated water flush. Avg rate= 70 bpm, Max. rate= 71 bpm, Avg psi= 4300 psi, Max. psi= 6377 psi, ISIP= 6056 psi. Total load= 82394 gal. Perf Lower Leonard/Spraberry RU Halliburton Wireline. Set 51/2" Bridge Plug @ 9680 Perf w/ 3 1/8" csg gun perf. Using 3319-331T charges 19 gm. wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate @ 9631-9637, 9460-9466 Total shots=48 & fired=48. Net feet = 171'.Reference log Halliburton CNL/GR/CCL dated 1-23-13. Frac Lower Leonard/Spraberry RU Halliburton frac. Break down at 5801 @ 5 bpm. Pump 601 gal 15% Acid, 7991 gal treated water pre-pad, Pump 17176 gal Hybor G Pad, 63298 gal Hybor G w/ 182407# Brady 20/40, 1000 gal 15% Ferchek acid, 7958 gal treated water flush. Avg rate= 70 bpm, Max. rate= 71 bpm, Avg psi= 3268 psi, Max. psi= 5888 psi, ISIP= 1439 psi. Total load= 99023 gal. Perf Spraberry RU Halliburton Wireline. Set 51/2" Flo Thru Plug @ 9220 Perf w/ 3 1/8" csg gun perf. Using 3319-331T charges 19 gm. wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate @ 9169-9175, 8918-8924 Total shots=48 & fired=48. Net feet = 251'.Reference log Halliburton CNL/GR/CCL dated 1-23-13. Frac Spraberry RU Halliburton frac. Break down at 1063 @ 5 bpm. Pump 1242 gal 15% Acid, 7718 gal treated water pre-pad, Pump 14577 gal Hybor G Pad, 53296 gal Hybor G w/ 196497# Brady 20/40, 8644 gal treated water flush. Avg rate= 70 bpm, Max. rate= 71 bpm,

		Avg psi= 2091 psi, Max. psi= 3035 psi, ISIP= 1080 psi. Total load= 86384 gal.
Wireline - Bridge Plug - Composite - Set Wireline		Set 51/2" Flo Thru Plug @ 10080
Job Cost Detail Report		
Wireline - Perforate		1/31/13 WOC: Chuck Pannell Daily Cost: 438569.00 Accumulated Cost: 469505.00 Perf Upper Wolfcamp RU Halliburton Wireline. Set 51/2" Flo Thru Plug @ 10080, Perf w/ 3 1/8" csg gun perf. Using 3319-331T charges 19 gm. wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate @ 10035-10042, 9935-9940 Total shots=48 & fired=48. Net feet = 100'.Reference log Halliburton CNL/GR/CCL dated 1-23-13.
Frac - Acid		Frac Upper Wolfcamp RU Halliburton frac. Break down at 4913 @ 5 bpm. Pump 761 gal 15% Acid, 5977 gal treated water pre-pad, 10010 gal Hybor Gel Pre Pad, Pump 9931 gal Hybor G Pad, 45398 gal Hybor G w/ 88017# Brady 20/40, 780 gal 15% Ferchek acid, 8664 gal treated water flush. Avg rate= 70 bpm, Max. rate= 71 bpm, Avg psi= 4300 psi, Max. psi= 6377 psi, ISIP= 6056 psi. Total load= 82394 gal.
Wireline - Perforate		Perf Lower Leonard/Spraberry RU Halliburton Wireline. Set 51/2" Bridge Plug @ 9680 Perf w/ 3 1/8" csg gun perf. Using 3319-331T charges 19 gm. wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate @ 9631-9637, 9460-9466 Total shots=48 & fired=48. Net feet = 171'.Reference log Halliburton CNL/GR/CCL dated 1-23-13.
Wireline - Bridge Plug - Composite - Set Wireline		. Set 51/2" Bridge Plug @ 9680
Frac - Acid		Frac Lower Leonard/Spraberry RU Halliburton frac. Break down at 5801 @ 5 bpm. Pump 601 gal 15% Acid, 7991 gal treated water pre-pad, Pump 17176 gal Hybor G Pad, 63298 gal Hybor G w/ 182407# Brady 20/40, 1000 gal 15% Ferchek acid, 7958 gal treated water flush. Avg rate= 70 bpm, Max. rate= 71 bpm, Avg psi= 3268 psi, Max. psi= 5888 psi, ISIP= 1439 psi. Total load= 99023 gal.
Wireline - Perforate		Perf Spraberry RU Halliburton Wireline. Set 51/2" Flo Thru Plug @ 9220 Perf w/ 3 1/8" csg gun perf. Using 3319-331T charges 19 gm. wt. 0.42" EHD, 42" penetration, 6 SPF, 60 degree phasing. Perforate @ 9169-9175, 8918-8924 Total shots=48 & fired=48. Net feet = 251'.Reference log Halliburton CNL/GR/CCL dated 1-23-13.
Wireline - Bridge Plug - Composite - Set Wireline		Set 51/2" Flo Thru Plug @ 9220
Frac - Acid		Frac Spraberry RU Halliburton frac. Break down at 1063 @ 5 bpm. Pump 1242 gal 15% Acid, 7718 gal treated water pre-pad, Pump 14577 gal Hybor G Pad, 53296 gal Hybor G w/ 196497# Brady 20/40, 8644 gal treated water flush. Avg rate= 70 bpm, Max. rate= 71 bpm, Avg psi= 2091 psi, Max. psi= 3035 psi, ISIP= 1080 psi. Total load= 86384 gal.
Total Cost for 01/31/2013	**$438,569.00**	
02/15/2013		
Job Cost Detail Report		
Safety Meeting		HELD TGSM WITH CREW INSPECTED RIG AND H2S SAFETY EQUIPMENT 30 MINUTES
Safety - Personnel		FRANCISCO ROSAS, CARLOS FLORES, ANGEL RODRIGUEZ, EMMANUEL ACOSTA
Pulling Unit - Rig Up		SPOTTED RIG AND RIGGED UP PULLING UNIT 30 MINUTES
Rig Travel Time		mOVED RIG TO RUBY GRACE 11 15 MINUTES
Total Cost for 02/15/2013	**$11,459.85**	
02/16/2013		

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Job Cost Detail Report		
Safety - Personnel		FRANCISCO ROSAS, CARLOS FLORES, ANGEL RODRIGUEZ, EMMANUEL ACOSTA
Rig Crew Travel Time		the crew drove to location
Safety Meeting		held JSA safety meeting on rigging down frac stack
Well Control - Kill Well - Brine		The well was open to the pit when the crew arrived and standing static. The reverse operator pumped 37 bbls of 10# brine water down the well, and pressured up to 200 psi. They shut down, bled the pressure off, and the well was flowing at 1 BPM. They pumped 100 bbls, and shut the well in for 1 hr. The well had 500 psi, and the crew bled the well off, and the well continued to flow about 1 BPM. The reverse hand pumped 250 bbls at 500 psi, they shut down bled the well down to 250 psi, and shut the well in for 1 hr. They opened the well, bled the well off, and the well continued to flow at 1 BPM.
Shut-in Overnight		The crew left the well open to the reserve pit to let the well flow down overnight. The well was monitored, and we had trucks hauling water from the pit. The crew shut down.
Rig Crew Travel Time		crew drove to the yard
Total Cost for 02/16/2013	**$7,314.16**	
02/18/2013		
Job Cost Detail Report		
Daily Summary		2/18/13 WESTEX 532 RUBY GRACE #11 WOC: JODY IGLEHART DAILY COST: $84,740.00 ACCU. COST: $574,510.00 The crew arrived on location, and held a JSA safety meeting on picking up tbg off the racks. The well had 0 psi. The crew nippled down SWECO frac stack and nippled up the 7 1/16" hydraulic BOPS. The crew ran in the hole with 4.75" tri-coned varel bit, 6-3.5" drill collars and 260 jnts of 2.875" L-80 tbg down to 8229. The crew closed the 2.875" rams on the 7 1/16" hydraulic BOP, put a 2.875" TIW valve in the tbg to secure the well, and shut down. NDP: START DRILLING OUT PLUGS
Safety - Personnel		FRANCISCO ROSAS, CARLOS FLORES, ANGEL RODRIGUEZ, EMMANUEL ACOSTA
Rig Crew Travel Time		CREW DROVE TO LOCATION
Safety Meeting		held a JSA safety meeting on picking up tbg off the racks.
Frac Valve - Nipple Down		The crew nippled down SWECO frac stack into two pieces, and moved to a safe location
BOPE Hydraulic - Nipple Up		The crew nippled up the 7 1/16” hydraulic BOPS.
Tubing - Run		The crew ran in the hole with 4.75? tri-coned varel bit, 6-3.5? drill collars and 260 jnts of 2.875? L-80 tbg down to 8229.
Shut-in Overnight		The crew closed the 2.875” rams on the 7 1/16” hydraulic BOP, put a 2.875” TIW valve in the tbg to secure the well, and shut down.
Rig Crew Travel Time		The crew drove to the yard
Total Cost for 02/18/2013	**$84,471.66**	
02/19/2013		
Circulate - Brine/Produced Water		well foam started to circulate well and washed 30ft of sand
Tubing - Run		TIH w/ 2 7/8 L80 to tag fill w/ 291 jts @ 9190
Drill		pick up swivel and 1 jt and tag plug @ 9220, w/292 jts drilled on plug for 35 minutes and drilled it out. Pick up 15 jts hit 2nd plug driiled on it for 20 min and fell,went all the way to 9717 to finsh drilling plug w/ a total of 308 jts
Circulate - Brine/Produced Water		well foam started to circulate to unload the well

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Safety Meeting		had safety meeting with crew over nu stripping head and drilling out plugs with power swivel
Stripper Head - Nipple Up/Nipple Down		crew NU stripping head. To stared drilling out plugs
Job Cost Detail Report		
Daily Summary		2/19/13 WESTEX 532 RUBY GRACE #11 WOC: JODY IGLEHART DAILY COST: $23,390.00 ACCU. COST: $597,900.00 The crew arrived on location, and held JSA safety meeting on drilling plugs with air foam unit. The well had 150 psi on the casing, 80 psi on the tbg, and they bled the well off to the flow back tank. The crew nippled up the stripper head, and rigged up the air foam unit to the well. The air foam unit unloaded the well in 1 hr. The crew ran in the hole with 31 jnts of 2.875" L-80 tbg, and tagged at 9190 with 291 total jnts in the hole. The crew rigged up the 2.5 Bowen power swivel, broke circulation, washed 30' of sand, and tagged the 1st plug at 9220. They drilled on the plug for 35 min, and laid down the swivel. The crew picked up 15 jnts of 2.875" tbg off the racks, and tagged the 2nd plug at 9685 with 307 total jnts. The rigged up the swivel, drilled on the plug for 20 min, and the plug fell. They picked up 1 jnt, and tagged. They broke circulation, and drilled on the plug reminisce for 40 min. The picked up off the plug, and circulated the well clean for 1.5 hrs, and the reverse operator pumped 50 bbls of 10# brine down the tbg to kill the well. They laid down the swivel, and the crew pulled out of the hole with 48 jnts of 2.875" L-80 tbg up to 8229, leaving 260 jnts in the hole. The crew shut the 2.875" rams on the 7 1/16" hydraulic BOP, put a 2.875" TIW valve in the tbg to secure the well, and shut down. NDP: CONTINUE DRILLING OUT PLUGS
Rig Crew Travel Time		drove crew to west odessa(francisco rosas op gh,manuel castillo dm wh,angel rodriguez fh gh,lazaro garzia fh wh,
Tubing - Pull		T.O.H with 48 - 2 7/8 L80 jts left 260 jt at 8229
Circulate - Brine/Produced Water		circulate well clean for about a 1 hr 30min
Shut-in Overnight		close all valves and place TIW on tbg
Rig Crew Travel Time		drove crew to location (francisco rosas op gh,manuel castillo dm wh,angel rodriguez fh gh,lazaro garzia fh wh,
Total Cost for 02/19/2013	**$22,523.16**	
02/20/2013		
Tubing - Check Pressure		could not get tbg pressure due to check valves in the tbg.
Well Control - Circulate - Fresh Water		The crew rigged up the air foam unit to the tbg, and it took 40 min to break circulation.
Tubing - Run		The crew ran in the hole with 48 jnts of 2.875” L-80 tbg, and tagged plug #2 reminisces at 9717 with 307 jnts of tbg.
Drill - Bridge Plug		They rigged up the 2.5 Bowen power swivel, caught circulation, and drilled up the rest of the plug in 15 min. The crew ran in the hole, on the swivel, with 13 jnts of 2.875” tbg off the racks, and tagged the 3rd plug at 10,119 with 321 jnts of tbg. They broke circulation, and drilled up the plug in 35 min. They picked up 13 jnts of tbg with the swivel, and tagged the 4th plug at 10,520 with 334 jnts of tbg. They broke circulation, and drilled up the plug in 40 min. The crew ran in the hole with 12 jnts of tbg off the racks, and tagged the 5th plug at 10,891 with 346 jnts of tbg. They broke circulation, and the plug fell after 40 min of drilling on it. The crew picked up 9 jnts of tbg, and tagged at 11,169 with 355 jnts of tbg. They broke circulation, and washed 155’ of fill down to PBTD at 11,324 with 360 jnts of tbg.
Well Control - Kill Well - Brine		They circulated the well clean for 2.5 hrs, and the reverse operator pumped 50 bbls of 10# brine water down the tbg to kill the well.
Tubing - Pull		The crew pulled out of the hole with 100 jnts of 2.875” L-80 tbg up to 8229, and left 260 jnts in the hole.
Rig Crew Travel Time		The crew drove to location
Safety Meeting		They held jsaq safety meeting on drilling out plugs

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Casing - Check Pressure		The well had 700 psi on the casing
Shut-in Overnight		The crew shut the 2.875” rams on the 7 1/16” hydraulic BOP, put a 2.875” TIW valve in the tbg to secure the well, and shut down.
Rig Crew Travel Time		The crew drove to the yard
Daily Summary		2/20/13 WESTEX 532 RUBY GRACE #11 WOC: JODY IGLEHART DAILY COST: $25,600.00 ACCU. COST: $623,500.00 The crew arrived on location, and held a JSA safety meeting on drilling out plugs. The well had 700 psi on the casing, and could not get tbg pressure due to check valves in the tbg. The crew rigged up the air foam unit to the tbg, and it took 40 min to break circulation. The crew ran in the hole with 48 jnts of 2.875" L-80 tbg, and tagged plug #2 reminisces at 9717 with 307 jnts of tbg. They rigged up the 2.5 Bowen power swivel, caught circulation, and drilled up the rest of the plug in 15 min. The crew ran in the hole, on the swivel, with 13 jnts of 2.875" tbg off the racks, and tagged the 3rd plug at 10,119 with 321 jnts of tbg. They broke circulation, and drilled up the plug in 35 min. They picked up 13 jnts of tbg with the swivel, and tagged the 4th plug at 10,520 with 334 jnts of tbg. They broke circulation, and drilled up the plug in 40 min. The crew ran in the hole with 12 jnts of tbg off the racks, and tagged the 5th plug at 10,891 with 346 jnts of tbg. They broke circulation, and the plug fell after 40 min of drilling on it. The crew picked up 9 jnts of tbg, and tagged at 11,169 with 355 jnts of tbg. They broke circulation, and washed 155' of fill down to PBTD at 11,324 with 360 jnts of tbg. They circulated the well clean for 2.5 hrs, and the reverse operator pumped 50 bbls of 10# brine water down the tbg to kill the well. The crew pulled out of the hole with 100 jnts of 2.875" L-80 tbg up to 8229, and left 260 jnts in the hole. The crew shut the 2.875" rams on the 7 1/16" hydraulic BOP, put a 2.875" TIW valve in the tbg to secure the well, and shut down. NDP: POOH WITH BIT AND COLLARS, AND RUN PRODUCTION.
Job Cost Detail Report		
Total Cost for 02/20/2013	**$26,000.22**	
02/21/2013		
Daily Summary		2/21/13 WESTEX 532 RUBY GRACE #11 WOC: JODY IGLEHART DAILY COST: $11,700.00 ACCU. COST: $635,200.00 The crew arrived on location, and held JSA safety meeting on pulling tbg. The well had 800 psi on the casing, and the tbg has check valves. The reverse operator pumped 50 bbls of 10# brine water down the tbg. They bled the well off to the flow back pit, but the well kept flowing about a 1 BPM. The crew started pulling tbg with the stripper head on the well, and the stripper head started leaking. The crew shut the 7 1/16" hydraulic BOP, and the reverse operator pumped 120 bbls of 10# brine water down the casing, but the well still flowed. The crew nippled down the stripper head, and they flowed well for 1 hr. The crew changed the rubber in the stripper head, and nippled the stripper head back up. The crew laid down 10 jnts of 2.875" L-80 tbg on the racks up to 8792. The crew shut the 2.875" rams on the 7 1/16" hydraulic BOP, put a 2.875" TIW valve in the tbg, and shut down due to high winds. NDP: PULL OUT OF THE HOLE WITH THE BIT AND COLLARS AND START IN THE HOLE WITH PRODUCTION.
Rig Crew Travel Time		THE CREW DROVE TO THE YARD
Job Cost Detail Report		
Rig Crew Travel Time		crew drove to location
Safety Meeting		held JSA safety meeting on pulling tbg
Well Control - Bleed Well Down		The well had 800 psi on the casing, and the tbg has check valves. The reverse operator pumped 50 bbls of 10# brine water down the tbg. They bled the well off to the flow back pit, but the well kept flowing about a 1 BPM.
Tubing - Pull		The crew started pulling tbg with the stripper head on the well, and the stripper head started leaking. The crew shut the 7 1/16”

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		hydraulic BOP
Well Control - Kill Well - Brine		the reverse operator pumped 120 bbls of 10# brine water down the casing, but the well still flowed. The crew nippled down the stripper head, and they flowed well for 1 hr.
Tubing - Pull		The crew changed the rubber in the stripper head, and nippled the stripper head back up. The crew laid down 10 jnts of 2.875" L-80 tbg on the racks up to 8792.
Shut-in Overnight		The crew shut the 2.875" rams on the 7 1/16" hydraulic BOP, put a 2.875" TIW valve in the tbg, and shut down due to high winds.
Total Cost for 02/21/2013	**$11,068.14**	
02/22/2013		
Safety - Personnel		FRANCISCO ROSAS, CARLOS FLORES, ANGEL RODRIGUEZ, EMMANUEL ACOSTA
Rig Crew Travel Time		The crew drove to location
Safety Meeting		Crew held JSA safety meeting on pulling tbg
Tubing - Pull		The crew pulled out of the hole with 19 jnts of 2.875" L-80 tbg
Well Control - Circulate - Brine		the Key reverse operator pumped 30 bbls of 10# brine water down the tbg, took off the check valve, and circulated 220 bbls of 10# brine water down the casing out the tbg to kill the well.
Tubing - Pull		The crew nippled down the stripper head, pulled out of the hole with 277 jnts of tbg, and laid down 6 jnts of 3.5" drill collars and a 4.75" tri-coned bit.
Tubing - Run		The crew ran in the hole with a 2.875" bull plug MA, 2.875" 12 slot sand screen, 2.875" MHD SN, 2 jnts of 2.875" TK-99 tbg, 6 jnts of 2.875" L-80 tbg, 2.875" x 5.5" TAC, 2 jnts of 2.875" L-80 tbg, 2.875" x 4' L-80 marker sub, and 239 jnts of 2.875" L-80 tbg down to 7404.
Shut-in Overnight		The crew closed the 2.875" rams on the 7 1/16" hydraulic BOP, put a 2.875" TIW valve in the tbg to secure the well, and shut down.
Rig Crew Travel Time		The crew drove to the yard
Job Cost Detail Report		
Total Cost for 02/22/2013	**$17,360.94**	
02/23/2013		
Job Cost Detail Report		
Daily Summary		2/23/13 WESTEX 532 RUBY GRACE #11 WOC: JODY IGLEHART DAILY COST: $40,800.00 ACCU. COST: $693,300.00 The crew arrived on location, and held a JSA safety meeting on running tbg. The well had 0 psi on the tbg and the casing. The crew ran in the hole with 110 jnts of 2.875" L-80 tbg, and set the TAC at 10,901 with the SN at 11,152. The crew nippled down the 7 1/16" hydraulic BOP, and flanged up the well head with 20 pnts pulled on the TAC. The crew changed over from running tbg to running rods. The crew ran in the hole with 2.5" x 1.25" x 24' rod pump, 6-1.5" K bars, and picked up 85-.75" HD rods. The crew picked up the 1.5" x 26' polish rod to secure the well with the stuffing box, and shut down. NDP: RESUME PICKING UP RODS
Safety - Personnel		FRANCISCO ROSAS OP WH MANUEL CASTILLO DM WH ANGEL RODRIGUEZ FH WH LAZARO GARZA FH WH FERNANDO RIG SUPERVISOR JODY IGLEHART OXY WOC
Rig Crew Travel Time		30 MINUTES. crew drove to location
Safety Meeting		30 MINUTES. held JSA safety meeting on pulling tbg
Tubing - Run		1 HOUR RIH 45 JOINTS 2 7/8

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BOPE - Nipple Down		45 MINUTES NIPPLED DOWN BOP
Rods - Run		going to run in with 2.5 by 1.25 by 24foot pump. Also with 1.5 k bars and 3 4 rods.
Wellhead - Nipple Up		30 MINUTES NIPPLED UP FLANGE
Shut-in Overnight		30 MINUTES SION SECURED WELL CLEANED TOOLS AND LOCATION
Total Cost for 02/23/2013	**$39,336.71**	
02/26/2013		
Daily Summary		2/26/13 WESTEX 532 RUBY GRACE #11 WOC: JODY IGLEHART DAILY COST: $7,730.00 ACCU. COST: $701,030.00 The crew arrived on location, and held JSA safety meeting on running rods. The well had 0 psi on the tbg, and 100 psi on the casing. The Key reverse operator pumped 30 bbls of 10# brine water down the tbg, and the tbg went on vacuum. The crew ran in the hole with 192-.75" HD rods for a total of 277-.75" rods, 155-.875" HD rods, 8'x .875", 2-6' x .875", and a 2' x .875" HD rod subs. The crew seated the pump, and spaced the pump 32" off bottom. The crew picked up the 1.5" x 26' polish rod, and stuffing box to secure the well, and shut down. NDP: LOAD AND TEST TBG, AND HANG WELL ON.
Rig Crew Travel Time		The crew drove to location
Safety - Personnel		FRANCISCO ROSAS OP WH MANUEL CASTILLO DM WH ANGEL RODRIGUEZ FH WH LAZARO GARZA FH WH FERNANDO RIG SUPERVISOR JODY IGLEHART OXY WOC
Job Cost Detail Report		
Rig Crew Travel Time		The crew drove to the yard
Shut-in Overnight		The crew picked up the 1.5” x 26’ polish rod, and stuffing box to secure the well, and shut down.
Pump - Space Out		The crew seated the pump, and spaced the pump 32” off bottom.
Rods - Run		The crew ran in the hole with 192-.75” HD rods for a total of 277-.75” rods, 155-.875” HD rods, 8’x .875”, 2-6’ x .875”, and a 2’ x .875” HD rod subs.
Well Control - Circulate - Brine		The well had 0 psi on the tbg, and 100 psi on the casing. The Key reverse operator pumped 30 bbls of 10# brine water down the tbg, and the tbg went on vacuum.
Safety Meeting		crew held JSA safety meeting on running rods
Total Cost for 02/26/2013	**$7,610.94**	
02/27/2013		
Pumping Unit - Hang on Head		got everything ready hang on well
Safety Meeting		30 MINUTES. held JSA safety meeting on rig down and moving rig to next location
Pulling Unit - Rig Down		removed clamps and drop lines and when on to rig down unit
Job Cost Detail Report		
Site Work		pick up trash all around location and place trsh on to truck
Site Work		pick up all tools on location
Rig Travel Time		did a PTI on rig before moving rig to mabe ranch. Location mabee 139 well No. 1009
Pump - Pressure Test		pump 5 bbl down tbg of brine water pressure up to 500 psi held for 5 min blid down to 200 psi did long stroke and pressure up to 500 psi

View Details...

Rig Crew Travel Time		**crew drove to location from westex yared**
Daily Summary		**2/27/13 WESTEX 532 RUBY GRACE #11 WOC: JODY IGLEHART DAILY COST: $7,550.00 ACCU. COST: $708,580.00 The crew arrived on location, and held a JSA safety meeting on hanging well on. The crew loaded and tested the tbg to 500 psi, and the tbg held for 10 min. They bled the tbg down to 100 psi, and long stroked the pump, and it took 5 strokes to pump up to 500 psi. The crew hung on the pumping unit head, and Weatherford winch truck turned the weight on the pumping unit. The well was not tagging, and it had good pump action. The crew could not get a pump card due to the unit not having any power. The crew rigged down the pulling unit, related equipment, and moved to the next well. NDP: JOB COMPLETE. UNIT NEEDS POWER, AND THE FLOW LINE NEEDS TO BE HOOKED UP TO THE WELL.**
Total Cost for 02/27/2013	**$6,815.84**	
02/28/2013		
Rig Crew Travel Time		**The crew drove to location**
Total Cost for 02/28/2013	**$298.06**	
Total Cost for RUBYGRACE-11	**$703,764.68**	