

PIONEER

NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job:

Report Date:

Report #:

AFE #:

Total AFE + Sup:

Cum Field Estimate:

Daily Field Estimate:

OCM

1/31/2018

27

043269;045375

\$5,101,753.00

\$3,463,070.51

\$140,943.18

SSN

API/UWI

Property Sub

Field Name

Open Formation

Spud Date

TD (max) (ftKB)

ID00020003

42-461-40594-0000

949805-008

SPRABERRY (TREND AREA)

WOLFCAMP A2 (WFMP A2)

8/23/2017

18,490.0

Job Category

Primary Job Type

Start Date

End Date

Job Status

Responsible Grp 2

ORIG COMPLETION

OCM

1/4/2018

IN PROGRESS

STIM ENG - WALKER DREWRY

Job Dates

Date

Type

Subtype

Note

MILESTONE

TURN OVER TO PRODUCTION

Date

Type

Subtype

Note

PLAN

STIMULATION END

Date

Type

Subtype

Note

PLAN

POST-STIM END

Date

Type

Subtype

Note

1/13/2018

MILESTONE

READY TO START (RTS)

Safety Checks

Time

Type

Des

Tour

Com

06:01

MEETING

JSA

DAY

HAD SAFETY MEETING WITH ALL VENDORS ON LOCATION TO GO OVER HAZARDS ON EACH VENDOR'S OPERATION, STATED NEAREST HOSPITAL, SWA, 7 RTLB, LINE OF FIRE, FORKLIFT OPERATIONS

06:01

MEETING

PRE-TOUR

DAY

DISCUSS OPERATIONS AT HANDOVER

18:00

MEETING

PRE-TOUR

NIGHT

DISCUSS OPERATIONS AT HANDOVER

18:00

MEETING

JSA

NIGHT

HAD SAFETY MEETING WITH ALL VENDORS ON LOCATION TO GO OVER HAZARDS ON EACH VENDOR'S OPERATION, STATED NEAREST HOSPITAL, SWA, 7 RTLB, LINE OF FIRE, FORKLIFT OPERATIONS

Daily Contacts on Location

Contact Name

Title

Tour

Mobile

Alt Mobile #

Note

DREWRY, WALKER

COMPLETION ENGINEER

DAY

432-894-0683

WOODALL, CHARLES

SUPERINTENDE NT

DAY

940-636-1062

BARRERA, ERNEST

FOREMAN

NIGHT

432-257-5465

JONES, DAVID

FOREMAN

NIGHT

432-301-5069

MOLTON, GARET

FOREMAN

NIGHT

561-452-0359

JONES, JULIE

FOREMAN

DAY

505-515-5505

WEIKEL, RICKY

FOREMAN

DAY

956-500-1306

361-446-8521

SIMS, CLINT

FOREMAN

DAY

325-242-2958

Personnel Log

Company

Count

PIONEER NATURAL RESOURCES USA INC

6

CACTUS WELLHEAD

2

RSI

4

CASEDHOLE SOLUTIONS INC

8

GR ENERGY SERVICES

4

K&B OILFIELD SERVICES INC

2

TEXAS PRIDE FUELS

8

PNR PUMPING SERVICES LLC

25

LOUISIANA CRANE CO LLC

4

NALCO CHEMICAL COMPANY

2

SELECT ENERGY SERVICES LLC

12

Daily Operations

Operations at Report Time

Daily Goal Description

Daily Goal - Last 24

WAIT ON FRAC OPS

STAGES PER DAY

3.0

Operations Summary

FRAC STG: 45,46

P/P STG: 46,47

NPT: 0 HRS

Operations Next Report Period

CONTINUE STIM OPS

Remarks

No Accidents or incidents

Time Log

Start Time

End Time

Dur (hr)

Phase

Activity

Operation

Com

Ops Category

Prob Ref #

Prob Hrs (hr)

Frac Stage

06:00

09:19

3.32

STIM, OPS

NONOPS

PAD

WAIT ON FRAC OPS

NORMAL

09:19

09:36

0.28

STIM, OPS

SWAPOVER

SWAP\_FRAC

SWAP TO FRAC - PAD DOWN 7H

NORMAL

09:36

11:10

1.57

STIM, OPS

FRAC

STIM

FRAC STG 45

NORMAL

45

11:10

11:21

0.19

STIM, OPS

SWAPOVER

SWAP\_WL

SWAP TO WL

NORMAL

11:21

11:54

0.54

STIM, OPS

WIRELINE

WL\_RUNDN

RIH TO P/P STG 46

NORMAL

11:54

12:21

0.45

STIM, OPS

WIRELINE

WL\_RUNUP

ASF, POOH

NORMAL

12:21

16:52

4.53

STIM, OPS

NONOPS

PAD

WAIT ON FRAC OPS

NORMAL

16:52

17:18

0.42

STIM, OPS

SWAPOVER

SWAP\_FRAC

SWAP TO FRAC

NORMAL

17:18

18:55

1.63

STIM, OPS

FRAC

STIM

FRAC STG 46

NORMAL

46

18:55

02:33

7.62

STIM, OPS

NONOPS

PAD

WAIT FOR CRANE TO BE REPLACED ON 7H

NORMAL

24

5.00

02:33

02:49

0.27

STIM, OPS

SWAPOVER

SWAP\_WL

SWAP TO WL

NORMAL

PIONEER

NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job:

Report Date:

Report #:

AFE #:

Total AFE + Sup:

Cum Field Estimate:

Daily Field Estimate:

OCM

1/31/2018

27

043269;045375

\$5,101,753.00

\$3,463,070.51

\$140,943.18

Time Log

Start Time	End Time	Dur (hr)	Phase	Activity	Operation	Com	Ops Category	Prob Ref #	Prob Hrs (hr)	Frac Stage
02:49	03:17	0.47	STIM, OPS	WIRELINE	WL_RUNDN	RIH TO P/P STG 47	NORMAL			
03:17	03:40	0.38	STIM, OPS	WIRELINE	WL_RUNUP	ASF, POOH	NORMAL			
03:40	06:00	2.33	STIM, OPS	NONOPS	PAD	WAIT ON FRAC OPS	NORMAL			

Fluid Summary

Fluid	Cum to Well (bbl)	To well (bbl)	Cum from Well (bbl)	From well (bbl)	Left to recover (bbl)
DISPOSED			3,000.0		-3,000.0
WELL FLUID	346,620.0	14,339.0	482.0		346,138.0

Interval Problems

PAD DOWN, PAD, OFFSET WELL, 1/30/2018 19:00

Ref #	End Date	Dur (Net) (hr)	Excl...	Accountable Party	Est Cost (Cost)	Comment
24	1/31/2018 00:00	5.00	No	LOUISIANA CRANE CO LLC		PAD DOWN DUE TO MALFUNCTION IN THE CRANE TO RIG DOWN AND REPLACE WITH ANOTHER.

Rigs

Contractor	Rig #	Start Date	RR Date	Rig Type
VAUGHN ENERGY SERVICES (VES)	1	1/4/2018 22:00	1/5/2018 19:00	WIRELINE
PIONEER PUMPING SERVICES	5	1/10/2018 06:00		FRAC FLEET
REFINERY SPECIALTIES INC (RSI)	1	1/10/2018 06:00		PUMP DOWN
CASED HOLE SOLUTIONS	1	1/11/2018 02:00		WIRELINE
KEY ENERGY COIL		1/17/2018 12:30	1/18/2018 16:30	COIL TUBING

DIESEL, DYED

Total Received	Total Consumed	Total Returned
71,080.0	71,080.0	0.0

Job Supply Amounts

Date	Supply Item Des	Type	Received	Consumed	Returned	Cum Received	Cum Consumed	Cum Returned
1/31/2018 01:23	DIESEL	DYED	345	345	0	65,977.0	65,977.0	0.0
1/31/2018 04:01	DIESEL	DYED	2,070	2,070	0	68,047.0	68,047.0	0.0
1/31/2018 04:02	DIESEL	DYED	1,622	1,622	0	69,669.0	69,669.0	0.0
1/31/2018 04:02	DIESEL	DYED	1,411	1,411	0	71,080.0	71,080.0	0.0
1/31/2018 04:02	DIESEL	DYED	0	0	0	71,080.0	71,080.0	0.0

DIESEL, FUEL

Total Received	Total Consumed	Total Returned
71.6	71.6	0.0

Perforations

Int #	Prop?	Type	Top (ftKB)	Btm (ftKB)	Btm - Top (ft)	Shot Dens (shots/ft)	Entered Shot Total	String Perforated	Com	Cluster #
47	No	CONVENTIONAL PERF	11,319.0	11,321.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		5
47	No	CONVENTIONAL PERF	11,349.0	11,351.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		4
47	No	CONVENTIONAL PERF	11,379.0	11,381.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		3
47	No	CONVENTIONAL PERF	11,409.0	11,411.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		2
47	No	CONVENTIONAL PERF	11,439.0	11,441.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		1
46	No	CONVENTIONAL PERF	11,469.0	11,471.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		5
46	No	CONVENTIONAL PERF	11,499.0	11,501.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		4
46	No	CONVENTIONAL PERF	11,529.0	11,531.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		3
46	No	CONVENTIONAL PERF	11,559.0	11,561.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		2
46	No	CONVENTIONAL PERF	11,589.0	11,591.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		1

Stimulations Summary

Stim/Treat Company	Diversion Company	Diversion Method	Start Date	End Date	Job
PIONEER PUMPING SERVICES		COMPOSITE PLUG	1/13/2018 12:00		OCM, 1/4/2018 08:00

Number of Treatment Intervals	Design Number of Treatment Intervals	Volume Clean Total (bbl)	Proppant Total (lb)
46	65	344,470.00	13,952,547.0

Stimulation Intervals

Frac Stage 45 on 1/30/2018 09:36

Proposed?	Type	Date	String (Deployment Method)	Top Depth (ftKB)	Bottom Depth (ftKB)
No	HYDRAULIC FRACTURE	1/30/2018	PRODUCTION, 18,472.0ftKB	11,619.0	11,741.0

Post Job Frac Gradient (...)	Pump Power Max (hp)	Proppant Designed (lb)	Proppant In Formation (lb)	Proppant In Wellbore (lb)	Proppant Total (lb)	Clean Volume Design (bbl)	Total Clean Volume (bbl)
0.72	17,094.0		308,412.2		304,063.0		7,154.00

Open Wellhead (psi)	Final ISIP (psi)	Close Wellhead (psi)	Breakdown Pressure (psi)	Max Treating Pressure (...)	Avg Treating Pressure (...)	Max Slurry Rate (bbl/min)	Avg Slurry Rate (bbl/min)
1,116.0	2,444.0	2,304.0	4,224.0	7,793.0	6,485.0	90	89.5

Comment  
STG 45 PTD

Pumping Summary

Stage Type	Start Date	End Date	Total Clean Volume (bbl)	Cum Total Clean Vol (bbl)	Link to Proppant	Surf Proppant Conc End (lb/gal)	Proppant Mass (lb)	Cum Proppant Mass (lb)
OPEN WELLHEAD	1/30/2018 09:36	1/30/2018 09:36						
ACID	1/30/2018 09:36	1/30/2018 09:42	24.00	24.00				
PAD	1/30/2018 09:42	1/30/2018 10:01	1,071.00	1,095.00				

PIONEER  
NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job: OCM  
Report Date: 1/31/2018  
Report #: 27  
AFE #: 043269;045375  
Total AFE + Sup: \$5,101,753.00  
Cum Field Estimate: \$3,463,070.51  
Daily Field Estimate: \$140,943.18

Pumping Summary

Stage Type	Start Date	End Date	Total Clean Volume (bbl)	Cum Total Clean Vol (bbl)	Link to Proppant	Surf Proppant Conc End (lb/gal)	Proppant Mass (lb)	Cum Proppant Mass (lb)
SLURRY	1/30/2018 10:01	1/30/2018 10:07	500.00	1,595.00	OTHER, 100 Mesh	0.25	4,716.0	4,716.0
SLURRY	1/30/2018 10:07	1/30/2018 10:12	500.00	2,095.00	OTHER, 100 Mesh	0.50	10,703.0	15,419.0
SLURRY	1/30/2018 10:12	1/30/2018 10:17	429.00	2,524.00	OTHER, 100 Mesh	0.75	14,514.0	29,933.0
SLURRY	1/30/2018 10:17	1/30/2018 10:21	276.00	2,800.00	OTHER, 100 Mesh	1.00	12,337.0	42,270.0
SLURRY	1/30/2018 10:21	1/30/2018 10:27	619.00	3,419.00	BROWN, 40/70	0.75	20,527.0	62,797.0
SLURRY	1/30/2018 10:27	1/30/2018 10:34	571.00	3,990.00	BROWN, 40/70	1.00	25,216.0	88,013.0
SLURRY	1/30/2018 10:34	1/30/2018 10:40	476.00	4,466.00	BROWN, 40/70	1.50	30,043.0	118,056.0
SLURRY	1/30/2018 10:40	1/30/2018 10:44	332.00	4,798.00	BROWN, 40/70	2.00	28,009.0	146,065.0
SLURRY	1/30/2018 10:44	1/30/2018 10:51	595.00	5,393.00	BROWN, 30/50	1.50	38,734.0	184,799.0
SLURRY	1/30/2018 10:51	1/30/2018 10:58	571.00	5,964.00	BROWN, 30/50	2.00	47,545.0	232,344.0
SLURRY	1/30/2018 10:58	1/30/2018 11:01	287.00	6,251.00	BROWN, 30/50	2.50	29,167.0	261,511.0
SLURRY	1/30/2018 11:01	1/30/2018 11:06	431.00	6,682.00	BROWN, 20/40	3.00	42,552.0	304,063.0
FLUSH	1/30/2018 11:06	1/30/2018 11:10	339.00	7,021.00				304,063.0
CLOSE WELLHEAD	1/30/2018 11:10	1/30/2018 11:10		7,021.00				304,063.0
PUMP DOWN	1/30/2018 11:46	1/30/2018 11:56	133.00	7,154.00				304,063.0

Type	Des	Sand Size
BROWN	BULK SAND	40/70
BROWN	BULK SAND	30/50
BROWN	BULK SAND	20/40
OTHER	BULK SAND	100 Mesh

Frac Stage 46 on 1/30/2018 17:18

Proposed? No	Type HYDRAULIC FRACTURE	Date 1/30/2018	String (Deployment Method) PRODUCTION, 18,472.0ftKB				Top Depth (ftKB) 11,469.0	Bottom Depth (ftKB) 11,591.0
Post Job Frac Gradient (...) 0.86	Pump Power Max (hp) 15,344.2	Proppant Designed (lb)	Proppant In Formation (lb) 307,966.5	Proppant In Wellbore (lb)	Proppant Total (lb) 302,816.0	Clean Volume Design (bbl)	Total Clean Volume (bbl) 7,185.00	
Open Wellhead (psi) 1,000.0	Final ISIP (psi) 3,599.0	Close Wellhead (psi) 2,538.0	Breakdown Pressure (psi) 3,465.0	Max Treating Pressure (...) 6,857.0	Avg Treating Pressure (...) 6,561.0	Max Slurry Rate (bbl/min) 91.3	Avg Slurry Rate (bbl/min) 90.6	

Comment  
STG 46 PTD

Pumping Summary

Stage Type	Start Date	End Date	Total Clean Volume (bbl)	Cum Total Clean Vol (bbl)	Link to Proppant	Surf Proppant Conc End (lb/gal)	Proppant Mass (lb)	Cum Proppant Mass (lb)
OPEN WELLHEAD	1/30/2018 17:18	1/30/2018 17:20						
ACID	1/30/2018 17:20	1/30/2018 17:25	24.00	24.00				
PAD	1/30/2018 17:25	1/30/2018 17:45	1,071.00	1,095.00				
SLURRY	1/30/2018 17:45	1/30/2018 17:50	500.00	1,595.00	OTHER, 100 Mesh	0.25	4,996.0	4,996.0
SLURRY	1/30/2018 17:50	1/30/2018 17:55	500.00	2,095.00	OTHER, 100 Mesh	0.50	10,971.0	15,967.0
SLURRY	1/30/2018 17:55	1/30/2018 18:00	429.00	2,524.00	OTHER, 100 Mesh	0.75	13,912.0	29,879.0
SLURRY	1/30/2018 18:00	1/30/2018 18:03	290.00	2,814.00	OTHER, 100 Mesh	1.00	12,538.0	42,417.0
SLURRY	1/30/2018 18:03	1/30/2018 18:10	619.00	3,433.00	BROWN, 40/70	0.75	20,421.0	62,838.0
SLURRY	1/30/2018 18:10	1/30/2018 18:17	571.00	4,004.00	BROWN, 40/70	1.00	24,814.0	87,652.0
SLURRY	1/30/2018 18:17	1/30/2018 18:23	476.00	4,480.00	BROWN, 40/70	1.50	30,465.0	118,117.0
SLURRY	1/30/2018 18:23	1/30/2018 18:27	366.00	4,846.00	BROWN, 40/70	2.00	29,894.0	148,011.0
SLURRY	1/30/2018 18:27	1/30/2018 18:35	595.00	5,441.00	BROWN, 30/50	1.50	38,244.0	186,255.0
SLURRY	1/30/2018 18:35	1/30/2018 18:41	571.00	6,012.00	BROWN, 30/50	2.00	48,356.0	234,611.0
SLURRY	1/30/2018 18:41	1/30/2018 18:44	280.00	6,292.00	BROWN, 30/50	2.50	30,423.0	265,034.0
SLURRY	1/30/2018 18:44	1/30/2018 18:50	434.00	6,726.00	BROWN, 20/40	3.00	37,782.0	302,816.0
FLUSH	1/30/2018 18:50	1/30/2018 18:56	334.00	7,060.00				302,816.0
CLOSE WELLHEAD	1/30/2018 18:56	1/30/2018 18:56		7,060.00				302,816.0
PUMP DOWN	1/31/2018 03:11	1/31/2018 03:14	125.00	7,185.00				302,816.0

Type	Des	Sand Size
BROWN	BULK SAND	40/70
BROWN	BULK SAND	30/50
BROWN	BULK SAND	20/40
OTHER	BULK SAND	100 Mesh

Other In Hole

Prop Run?	Prop Pull?	Des	Run Date	OD (in)	Top (ftKB)	Btm (ftKB)	Pull Date	Plug Drill Out Duration (min)	Com
No	Yes	FRAC PLUG	1/30/2018 11:54	4.38	11,606.0	11,608.0			STG 46
No	Yes	FRAC PLUG	1/31/2018 03:17	4.38	11,456.0	11,458.0			STG 47

PIONEER

NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job:

Report Date:

Report #:

AFE #:

Total AFE + Sup:

Cum Field Estimate:

Daily Field Estimate:

OCM

2/1/2018

28

043269;045375

\$5,101,753.00

\$3,705,448.19

\$242,377.68

SSN

API/UWI

Property Sub

Field Name

Open Formation

Spud Date

TD (max) (ftKB)

ID00020003

42-461-40594-0000

949805-008

SPRABERRY (TREND AREA)

WOLFCAMP A2 (WFMP A2)

8/23/2017

18,490.0

Job Category

Primary Job Type

Start Date

End Date

Job Status

Responsible Grp 2

ORIG COMPLETION

OCM

1/4/2018

IN PROGRESS

STIM ENG - WALKER DREWRY

Job Dates

Date

Type

Subtype

Note

MILESTONE

TURN OVER TO PRODUCTION

Date

Type

Subtype

Note

PLAN

STIMULATION END

Date

Type

Subtype

Note

PLAN

POST-STIM END

Date

Type

Subtype

Note

1/13/2018

MILESTONE

READY TO START (RTS)

Safety Checks

Time

Type

Des

Tour

Com

06:01

MEETING

PRE-TOUR

DAY

DISCUSS OPS

06:01

MEETING

JSA

DAY

DISCUSS JSA'S

18:00

MEETING

JSA

NIGHT

HAD SAFETY MEETING WITH ALL VENDORS ON LOCATION TO GO OVER HAZARDS ON EACH VENDOR'S OPERATION, STATED NEAREST HOSPITAL, SWA, 7 RTLB, LINE OF FIRE, FORKLIFT OPERATIONS

18:00

MEETING

PRE-TOUR

NIGHT

DISCUSS OPERATIONS AT HANDOVER

Daily Contacts on Location

Contact Name

Title

Tour

Mobile

Alt Mobile #

Note

DREWRY, WALKER

COMPLETION ENGINEER

DAY

432-894-0683

WOODALL, CHARLES

SUPERINTENDE NT

DAY

940-636-1062

BARRERA, ERNEST

FOREMAN

NIGHT

432-257-5465

JONES, JULIE

FOREMAN

NIGHT

505-515-5505

WEIKEL, RICKY

FOREMAN

NIGHT

956-500-1306

361-446-8521

SIMS, CLINT

FOREMAN

NIGHT

325-242-2958

CARRILLO, RUBEN

FOREMAN

DAY

432-258-0107

CREAGER, DANNY

FOREMAN

DAY

817-964-2142

BURTS, AJ

ENGINEER

DAY

432-270-5820

Personnel Log

Company

Count

PIONEER NATURAL RESOURCES USA INC

6

CACTUS WELLHEAD

2

RSI

4

CASEDHOLE SOLUTIONS INC

8

GR ENERGY SERVICES

4

K&B OILFIELD SERVICES INC

2

TEXAS PRIDE FUELS

8

PNR PUMPING SERVICES LLC

25

LOUISIANA CRANE CO LLC

4

NALCO CHEMICAL COMPANY

2

SELECT ENERGY SERVICES LLC

12

Daily Operations

Operations at Report Time

Daily Goal Description

Daily Goal - Last 24

WAIT ON FRAC OPS - RTF STG 51

STAGES PER DAY

3.0

Operations Summary

FRAC STG- 47, 48, 49, 50

P&P STG- 48, 49, 50, 51

Operations Next Report Period

CONTINUE STIM OPS

Remarks

No Accidents or incidents

Time Log

Start Time

End Time

Dur (hr)

Phase

Activity

Operation

Com

Ops Category

Prob Ref #

Prob Hrs (hr)

Frac Stage

06:00

06:10

0.17

STIM, OPS

NONOPS

PAD

WAIT ON FRAC OPS

NORMAL

06:10

06:52

0.7

STIM, OPS

SWAPOVER

SWAP\_FRAC

SWAP FRAC / FINISHED PUMP MAINTAENCE

NORMAL

06:52

08:27

1.59

STIM, OPS

FRAC

STIM

FRAC STG 47

NORMAL

47

08:27

08:37

0.16

STIM, OPS

SWAPOVER

SWAP\_WL

RU AND TEST LUB

NORMAL

08:37

09:08

0.52

STIM, OPS

WIRELINE

WL\_RUNDN

P/P STG 48

NORMAL

09:08

09:44

0.6

STIM, OPS

WIRELINE

WL\_RUNUP

ASF, POOH

NORMAL

09:44

12:23

2.65

STIM, OPS

NONOPS

PAD

WAIT ON FRAC OPS

NORMAL

12:23

12:45

0.36

STIM, OPS

SWAPOVER

SWAP\_FRAC

SWAP FRAC - PRIME AND TEST

NORMAL

12:45

14:15

1.5

STIM, OPS

FRAC

STIM

FRAC STG 48

NORMAL

48

14:15

14:39

0.4

STIM, OPS

SWAPOVER

SWAP\_WL

RU AND TEST LUB

NORMAL

14:39

15:06

0.46

STIM, OPS

WIRELINE

WL\_RUNDN

P/P STG 49

NORMAL

PIONEER

NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job:  
Report Date:  
Report #:  
AFE #:  
Total AFE + Sup:  
Cum Field Estimate:  
Daily Field Estimate:

OCM  
2/1/2018  
28  
043269;045375  
\$5,101,753.00  
\$3,705,448.19  
\$242,377.68

Time Log

Start Time	End Time	Dur (hr)	Phase	Activity	Operation	Com	Ops Category	Prob Ref #	Prob Hrs (hr)	Frac Stage
15:06	15:48	0.7	STIM, OPS	WIRELINE	WL_RUNUP	ASF, POOH	NORMAL			
15:48	18:12	2.4	STIM, OPS	NONOPS	PAD	WAIT ON FRAC OPS	NORMAL			
18:12	18:31	0.31	STIM, OPS	SWAPOVER	SWAP_FRAC	SWAP FRAC - PRIME AND TEST	NORMAL			
18:31	20:06	1.58	STIM, OPS	FRAC	STIM	FRAC STG 49	NORMAL			49
20:06	20:18	0.21	STIM, OPS	SWAPOVER	SWAP_WL	RU AND TEST LUB	NORMAL			
20:18	20:46	0.47	STIM, OPS	WIRELINE	WL_RUNDN	P/P STG 50	NORMAL			
20:46	21:08	0.36	STIM, OPS	WIRELINE	WL_RUNUP	ASF, POOH	NORMAL			
21:08	00:18	3.16	STIM, OPS	NONOPS	PAD	WAIT ON FRAC OPS	NORMAL			
00:18	00:38	0.34	STIM, OPS	SWAPOVER	SWAP_FRAC	SWAP FRAC - PRIME AND TEST	NORMAL			
00:38	02:10	1.53	STIM, OPS	FRAC	STIM	FRAC STG 50	NORMAL			50
02:10	02:18	0.14	STIM, OPS	SWAPOVER	SWAP_WL	RU AND TEST LUB	NORMAL			
02:18	02:47	0.48	STIM, OPS	WIRELINE	WL_RUNDN	P/P STG 51	NORMAL			
02:47	03:08	0.35	STIM, OPS	WIRELINE	WL_RUNUP	ASF, POOH	NORMAL			
03:08	06:00	2.86	STIM, OPS	NONOPS	PAD	WAIT ON FRAC OPS	NORMAL			

Fluid Summary

Fluid	Cum to Well (bbl)	To well (bbl)	Cum from Well (bbl)	From well (bbl)	Left to recover (bbl)
DISPOSED			3,000.0		-3,000.0
WELL FLUID	375,141.0	28,521.0	482.0		374,659.0

Interval Problems

<Problem Type?>, <Problem Subtype?>, <Problem Description?>, <Start Date?>

Ref #	End Date	Dur (Net) (hr)	Excl...	Accountable Party	Est Cost (Cost)	Comment
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Rigs

Contractor	Rig #	Start Date	RR Date	Rig Type
VAUGHN ENERGY SERVICES (VES)	1	1/4/2018 22:00	1/5/2018 19:00	WIRELINE
PIONEER PUMPING SERVICES	5	1/10/2018 06:00		FRAC FLEET
REFINERY SPECIALTIES INC (RSI)	1	1/10/2018 06:00		PUMP DOWN
CASED HOLE SOLUTIONS	1	1/11/2018 02:00		WIRELINE
KEY ENERGY COIL		1/17/2018 12:30	1/18/2018 16:30	COIL TUBING

DIESEL, DYED

Total Received	Total Consumed	Total Returned
71,080.0	71,080.0	0.0

DIESEL, FUEL

Total Received	Total Consumed	Total Returned
71.6	71.6	0.0

Perforations

Int #	Prop?	Type	Top (ftKB)	Btm (ftKB)	Btm - Top (ft)	Shot Dens (shots/ft)	Entered Shot Total	String Perforated	Com	Cluster #
51	No	CONVENTIONAL PERF	10,719.0	10,721.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		5
51	No	CONVENTIONAL PERF	10,749.0	10,751.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		4
51	No	CONVENTIONAL PERF	10,779.0	10,781.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		3
51	No	CONVENTIONAL PERF	10,809.0	10,811.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		2
51	No	CONVENTIONAL PERF	10,839.0	10,841.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		1
50	No	CONVENTIONAL PERF	10,869.0	10,871.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		5
50	No	CONVENTIONAL PERF	10,899.0	10,901.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		4
50	No	CONVENTIONAL PERF	10,929.0	10,931.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		3
50	No	CONVENTIONAL PERF	10,959.0	10,961.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		2
50	No	CONVENTIONAL PERF	10,989.0	10,991.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		1
49	No	CONVENTIONAL PERF	11,019.0	11,021.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		5
49	No	CONVENTIONAL PERF	11,049.0	11,051.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		4
49	No	CONVENTIONAL PERF	11,079.0	11,081.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		3

PIONEER

NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job:  
Report Date:  
Report #:  
AFE #:  
Total AFE + Sup:  
Cum Field Estimate:  
Daily Field Estimate:

OCM  
2/1/2018  
28  
043269;045375  
\$5,101,753.00  
\$3,705,448.19  
\$242,377.68

Perforations

Int #	Prop?	Type	Top (ftKB)	Btm (ftKB)	Btm - Top (ft)	Shot Dens (shots/ft)	Entered Shot Total	String Perforated	Com	Cluster #
49	No	CONVENTIONAL PERF	11,109.0	11,111.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		2
49	No	CONVENTIONAL PERF	11,139.0	11,141.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		1
48	No	CONVENTIONAL PERF	11,169.0	11,171.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		5
48	No	CONVENTIONAL PERF	11,199.0	11,201.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		4
48	No	CONVENTIONAL PERF	11,229.0	11,231.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		3
48	No	CONVENTIONAL PERF	11,259.0	11,261.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		2
48	No	CONVENTIONAL PERF	11,289.0	11,291.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		1

Stimulations Summary

Stim/Treat Company PIONEER PUMPING SERVICES		Diverson Company		Diverson Method COMPOSITE PLUG		Start Date 1/13/2018 12:00		End Date		Job OCM, 1/4/2018 08:00	
Number of Treatment Intervals 50		Design Number of Treatment Intervals 65		Volume Clean Total (bbl) 372,991.00				Proppant Total (lb) 15,143,384.0			

Stimulation Intervals

Frac Stage 47 on 1/31/2018 06:52

Proposed? No	Type HYDRAULIC FRACTURE	Date 1/31/2018		String (Deployment Method) PRODUCTION, 18,472.0ftKB			Top Depth (ftKB) 11,319.0		Bottom Depth (ftKB) 11,441.0				
Post Job Frac Gradient (...) 0.78		Pump Power Max (hp) 15,093.0		Proppant Designed (lb)		Proppant In Formation (lb) 306,837.2		Proppant In Wellbore (lb)		Proppant Total (lb) 299,221.0	Clean Volume Design (bbl)	Total Clean Volume (bbl) 7,366.00	
Open Wellhead (psi) 1,040.0		Final ISIP (psi) 2,912.0		Close Wellhead (psi) 2,740.0		Breakdown Pressure (psi) 4,015.0		Max Treating Pressure (...) 7,205.0		Avg Treating Pressure (...) 6,310.0		Max Slurry Rate (bbl/min) 90	Avg Slurry Rate (bbl/min) 83
Comment PTD													

Pumping Summary

Stage Type	Start Date	End Date	Total Clean Volume (bbl)	Cum Total Clean Vol (bbl)	Link to Proppant	Surf Proppant Conc End (lb/gal)	Proppant Mass (lb)	Cum Proppant Mass (lb)
OPEN WELLHEAD	1/31/2018 06:52	1/31/2018 06:52						
ACID	1/31/2018 06:52	1/31/2018 06:57	24.00	24.00				
PAD	1/31/2018 06:57	1/31/2018 07:15	1,071.00	1,095.00				
SLURRY	1/31/2018 07:15	1/31/2018 07:27	500.00	1,595.00	OTHER, 100 Mesh	0.25	5,363.0	5,363.0
SLURRY	1/31/2018 07:27	1/31/2018 07:28	500.00	2,095.00	OTHER, 100 Mesh	0.50	6,915.0	12,278.0
SLURRY	1/31/2018 07:28	1/31/2018 07:33	429.00	2,524.00	OTHER, 100 Mesh	0.75	11,597.0	23,875.0
SLURRY	1/31/2018 07:33	1/31/2018 07:38	498.00	3,022.00	OTHER, 100 Mesh	1.00	18,138.0	42,013.0
SLURRY	1/31/2018 07:38	1/31/2018 07:44	619.00	3,641.00	BROWN, 40/70	0.75	20,501.0	62,514.0
SLURRY	1/31/2018 07:44	1/31/2018 07:51	571.00	4,212.00	BROWN, 40/70	1.00	25,839.0	88,353.0
SLURRY	1/31/2018 07:51	1/31/2018 07:58	476.00	4,688.00	BROWN, 40/70	1.50	25,825.0	114,178.0
SLURRY	1/31/2018 07:58	1/31/2018 08:02	379.00	5,067.00	BROWN, 40/70	2.00	31,718.0	145,896.0
SLURRY	1/31/2018 08:02	1/31/2018 08:09	595.00	5,662.00	BROWN, 30/50	1.50	39,204.0	185,100.0
SLURRY	1/31/2018 08:09	1/31/2018 08:15	571.00	6,233.00	BROWN, 30/50	2.00	47,129.0	232,229.0
SLURRY	1/31/2018 08:15	1/31/2018 08:19	280.00	6,513.00	BROWN, 30/50	2.50	28,717.0	260,946.0
SLURRY	1/31/2018 08:19	1/31/2018 08:25	400.00	6,913.00	BROWN, 20/40	3.00	38,275.0	299,221.0
FLUSH	1/31/2018 08:25	1/31/2018 08:27	331.00	7,244.00				299,221.0
CLOSE WELLHEAD	1/31/2018 08:27	1/31/2018 08:27		7,244.00				299,221.0
PUMP DOWN	1/31/2018 08:59	1/31/2018 09:10	122.00	7,366.00				299,221.0

Proppants

Type	Des	Sand Size
BROWN	BULK SAND	40/70
BROWN	BULK SAND	30/50
BROWN	BULK SAND	20/40
OTHER	BULK SAND	100 Mesh

Frac Stage 48 on 1/31/2018 12:46

Proposed? No	Type HYDRAULIC FRACTURE	Date 1/31/2018		String (Deployment Method) PRODUCTION, 18,472.0ftKB			Top Depth (ftKB) 11,169.0		Bottom Depth (ftKB) 11,291.0				
Post Job Frac Gradient (...) 0.81		Pump Power Max (hp) 18,437.0		Proppant Designed (lb)		Proppant In Formation (lb) 296,143.6		Proppant In Wellbore (lb)		Proppant Total (lb) 288,765.0	Clean Volume Design (bbl)	Total Clean Volume (bbl) 6,956.00	
Open Wellhead (psi) 1,119.0		Final ISIP (psi) 3,171.0		Close Wellhead (psi) 2,771.0		Breakdown Pressure (psi) 4,205.0		Max Treating Pressure (...) 8,358.0		Avg Treating Pressure (...) 6,657.0		Max Slurry Rate (bbl/min) 90	Avg Slurry Rate (bbl/min) 88
Comment PTD													

Pumping Summary

Stage Type	Start Date	End Date	Total Clean Volume (bbl)	Cum Total Clean Vol (bbl)	Link to Proppant	Surf Proppant Conc End (lb/gal)	Proppant Mass (lb)	Cum Proppant Mass (lb)
OPEN WELLHEAD	1/31/2018 12:46	1/31/2018 12:46						
ACID	1/31/2018 12:46	1/31/2018 12:50	24.00	24.00				
PAD	1/31/2018 12:50	1/31/2018 13:09	1,071.00	1,095.00				
SLURRY	1/31/2018 13:09	1/31/2018 13:20	500.00	1,595.00	OTHER, 100 Mesh	0.25	4,952.0	4,952.0
SLURRY	1/31/2018 13:20	1/31/2018 13:25	500.00	2,095.00	OTHER, 100 Mesh	0.50	10,853.0	15,805.0
SLURRY	1/31/2018 13:25	1/31/2018 13:25	429.00	2,524.00	OTHER, 100 Mesh	0.75	13,497.0	29,302.0
SLURRY	1/31/2018 13:25	1/31/2018 13:29	297.00	2,821.00	OTHER, 100 Mesh	1.00	13,389.0	42,691.0



PIONEER  
NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job:

Report Date:

Report #:

AFE #:

Total AFE + Sup:

Cum Field Estimate:

Daily Field Estimate:

OCM

2/1/2018

28

043269;045375

\$5,101,753.00

\$3,705,448.19

\$242,377.68

Pumping Summary

Stage Type	Start Date	End Date	Total Clean Volume (bbl)	Cum Total Clean Vol (bbl)	Link to Proppant	Surf Proppant Conc End (lb/gal)	Proppant Mass (lb)	Cum Proppant Mass (lb)
SLURRY	2/1/2018 01:20	2/1/2018 01:28	619.00	3,406.00	BROWN, 40/70	0.75	19,993.0	62,307.0
SLURRY	2/1/2018 01:28	2/1/2018 01:34	571.00	3,977.00	BROWN, 40/70	1.00	24,863.0	87,170.0
SLURRY	2/1/2018 01:34	2/1/2018 01:35	476.00	4,453.00	BROWN, 40/70	1.50	31,552.0	118,722.0
SLURRY	2/1/2018 01:35	2/1/2018 01:44	362.00	4,815.00	BROWN, 40/70	2.00	29,277.0	147,999.0
SLURRY	2/1/2018 01:44	2/1/2018 01:51	595.00	5,410.00	BROWN, 30/50	1.50	37,708.0	185,707.0
SLURRY	2/1/2018 01:51	2/1/2018 01:58	571.00	5,981.00	BROWN, 30/50	2.00	48,761.0	234,468.0
SLURRY	2/1/2018 01:58	2/1/2018 02:01	290.00	6,271.00	BROWN, 30/50	2.50	29,027.0	263,495.0
SLURRY	2/1/2018 02:01	2/1/2018 02:05	324.00	6,595.00	BROWN, 20/40	3.00	36,843.0	300,338.0
FLUSH	2/1/2018 02:05	2/1/2018 02:10	316.00	6,911.00				300,338.0
CLOSE WELLHEAD	2/1/2018 02:10	2/1/2018 02:10		6,911.00				300,338.0
PUMP DOWN	2/1/2018 02:43	2/1/2018 02:51	95.00	7,006.00				300,338.0

Proppants

Type	Des	Sand Size
BROWN	BULK SAND	40/70
BROWN	BULK SAND	30/50
BROWN	BULK SAND	20/40
OTHER	BULK SAND	100 Mesh

Other In Hole

Prop Run?	Prop Pull?	Des	Run Date	OD (in)	Top (ftKB)	Btm (ftKB)	Pull Date	Plug Drill Out Duration (min)	Com
No	Yes	FRAC PLUG	1/31/2018 09:08	4.38	11,306.0	11,308.0			STG 48
No	Yes	FRAC PLUG	1/31/2018 15:06	4.38	11,159.0	11,161.0			STG 49 / MOVED 3' DOWN
No	Yes	FRAC PLUG	1/31/2018 20:46	4.38	11,006.0	11,008.0			STG 50
No	Yes	FRAC PLUG	2/1/2018 02:47	4.38	10,856.0	10,858.0			STG 51

Job:	OCM
Report Date:	2/2/2018
Report #:	29
AFE #:	043269;045375
Total AFE + Sup:	\$5,101,753.00
Cum Field Estimate:	\$3,947,247.06
Daily Field Estimate:	\$240,529.87

PIONEER

NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job:

Report Date:

Report #:

AFE #:

Total AFE + Sup:

Cum Field Estimate:

Daily Field Estimate:

OCM

2/2/2018

29

043269;045375

\$5,101,753.00

\$3,947,247.06

\$240,529.87

Time Log

Start Time	End Time	Dur (hr)	Phase	Activity	Operation	Com	Ops Category	Prob Ref #	Prob Hrs (hr)	Frac Stage
14:16	14:48	0.53	STIM, OPS	WIRELINE	WL_RUNDN	RIH to P/P for stage 53.	NORMAL			
14:48	15:16	0.47	STIM, OPS	WIRELINE	WL_RUNUP	P/P stage 53. Plug set and all shots fired. WL POOH.	NORMAL			
15:16	19:06	3.83	STIM, OPS	NONOPS	PAD	Waiting on well order to fac.	NORMAL			
19:06	19:29	0.38	STIM, OPS	SWAPOVER	SWAP_FRAC	SWAP FRAC - PRIME AND TEST	NORMAL			
19:29	21:00	1.52	STIM, OPS	FRAC	STIM	FRAC STG 53	NORMAL			53
21:00	21:12	0.19	STIM, OPS	SWAPOVER	SWAP_WL	RU AND TEST LUB	NORMAL			
21:12	21:36	0.4	STIM, OPS	WIRELINE	WL_RUNDN	P/P STG 54	NORMAL			
21:36	21:58	0.38	STIM, OPS	WIRELINE	WL_RUNUP	ASF, POOH	NORMAL			
21:58	03:58	6	STIM, OPS	NONOPS	PAD	WAIT ON FRAC OPS - PAD DOWN 7H	NORMAL	25	4.65	
03:58	04:19	0.35	STIM, OPS	SWAPOVER	SWAP_FRAC	SWAP FRAC - PRIME AND TEST	NORMAL			
04:19	05:51	1.52	STIM, OPS	FRAC	STIM	FRAC STG 54	NORMAL			54
05:51	06:00	0.15	STIM, OPS	SWAPOVER	SWAP_WL	RU AND TEST LUB	NORMAL			

Fluid Summary

Fluid	Cum to Well (bbl)	To well (bbl)	Cum from Well (bbl)	From well (bbl)	Left to recover (bbl)
DISPOSED			3,000.0		-3,000.0
WELL FLUID	403,380.0	28,239.0	482.0		402,898.0

Interval Problems

PAD DOWN, PAD, OFFSET WELL, 2/1/2018 23:19

Ref #	End Date	Dur (Net) (hr)	Excl...	Accountable Party	Est Cost (Cost)	Comment
25	2/2/2018 03:58	4.65	No	CACTUS WELLHEAD		REPAIRING LEAK ON 7H WELLHEAD

Rigs

Contractor	Rig #	Start Date	RR Date	Rig Type
VAUGHN ENERGY SERVICES (VES)	1	1/4/2018 22:00	1/5/2018 19:00	WIRELINE
PIONEER PUMPING SERVICES	5	1/10/2018 06:00		FRAC FLEET
REFINERY SPECIALTIES INC (RSI)	1	1/10/2018 06:00		PUMP DOWN
CASED HOLE SOLUTIONS	1	1/11/2018 02:00		WIRELINE
KEY ENERGY COIL		1/17/2018 12:30	1/18/2018 16:30	COIL TUBING

DIESEL, DYED

Total Received	Total Consumed	Total Returned
79,124.0	79,124.0	0.0

DIESEL, FUEL

Total Received	Total Consumed	Total Returned
71.6	71.6	0.0

Perforations

Int #	Prop?	Type	Top (ftKB)	Btm (ftKB)	Btm - Top (ft)	Shot Dens (shots/ft)	Entered Shot Total	String Perforated	Com	Cluster #
54	No	CONVENTIONAL PERF	10,269.0	10,271.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		5
54	No	CONVENTIONAL PERF	10,299.0	10,301.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		4
54	No	CONVENTIONAL PERF	10,329.0	10,331.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		3
54	No	CONVENTIONAL PERF	10,359.0	10,361.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		2
54	No	CONVENTIONAL PERF	10,389.0	10,391.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		1
53	No	CONVENTIONAL PERF	10,419.0	10,421.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		5
53	No	CONVENTIONAL PERF	10,449.0	10,451.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		4
53	No	CONVENTIONAL PERF	10,479.0	10,481.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		3
53	No	CONVENTIONAL PERF	10,509.0	10,511.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		2
53	No	CONVENTIONAL PERF	10,539.0	10,541.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		1
52	No	CONVENTIONAL PERF	10,569.0	10,571.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		5
52	No	CONVENTIONAL PERF	10,599.0	10,601.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		4
52	No	CONVENTIONAL PERF	10,629.0	10,631.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		3
52	No	CONVENTIONAL PERF	10,659.0	10,661.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		2
52	No	CONVENTIONAL PERF	10,689.0	10,691.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		1

Job:	OCM
Report Date:	2/2/2018
Report #:	29
AFE #:	043269;045375
Total AFE + Sup:	\$5,101,753.00
Cum Field Estimate:	\$3,947,247.06
Daily Field Estimate:	\$240,529.87

PIONEER  
NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job: OCM  
Report Date: 2/2/2018  
Report #: 29  
AFE #: 043269;045375  
Total AFE + Sup: \$5,101,753.00  
Cum Field Estimate: \$3,947,247.06  
Daily Field Estimate: \$240,529.87

Proppants		
Type	Des	Sand Size
BROWN	BULK SAND	20/40
OTHER	BULK SAND	100 Mesh

Frac Stage 53 on 2/1/2018 19:29							
Proposed? No	Type HYDRAULIC FRACTURE	Date 2/1/2018		String (Deployment Method) PRODUCTION, 18,472.0ftKB		Top Depth (ftKB) 10,419.0	Bottom Depth (ftKB) 10,541.0
Post Job Frac Gradient (...) 0.76	Pump Power Max (hp) 15,858.0	Proppant Designed (lb)	Proppant In Formation (lb) 309,501.7	Proppant In Wellbore (lb)	Proppant Total (lb) 303,323.0	Clean Volume Design (bbl)	Total Clean Volume (bbl) 6,880.00
Open Wellhead (psi) 1,020.0	Final ISIP (psi) 2,781.0	Close Wellhead (psi) 2,396.0	Breakdown Pressure (psi) 4,389.0	Max Treating Pressure (...) 7,110.0	Avg Treating Pressure (...) 6,683.0	Max Slurry Rate (bbl/min) 91	Avg Slurry Rate (bbl/min) 90.4
Comment STG 53 PTD							

Pumping Summary								
Stage Type	Start Date	End Date	Total Clean Volume (bbl)	Cum Total Clean Vol (bbl)	Link to Proppant	Surf Proppant Conc End (lb/gal)	Proppant Mass (lb)	Cum Proppant Mass (lb)
OPEN WELLHEAD	2/1/2018 19:29	2/1/2018 19:30						
ACID	2/1/2018 19:30	2/1/2018 19:37	24.00	24.00				
PAD	2/1/2018 19:37	2/1/2018 19:51	1,071.00	1,095.00				
SLURRY	2/1/2018 19:51	2/1/2018 19:57	500.00	1,595.00	OTHER, 100 Mesh	0.25	5,329.0	5,329.0
SLURRY	2/1/2018 19:57	2/1/2018 20:02	500.00	2,095.00	OTHER, 100 Mesh	0.50	10,491.0	15,820.0
SLURRY	2/1/2018 20:02	2/1/2018 20:07	429.00	2,524.00	OTHER, 100 Mesh	0.75	14,075.0	29,895.0
SLURRY	2/1/2018 20:07	2/1/2018 20:10	285.00	2,809.00	OTHER, 100 Mesh	1.00	12,512.0	42,407.0
SLURRY	2/1/2018 20:10	2/1/2018 20:18	619.00	3,428.00	BROWN, 40/70	0.75	21,740.0	64,147.0
SLURRY	2/1/2018 20:18	2/1/2018 20:25	571.00	3,999.00	BROWN, 40/70	1.00	26,698.0	90,845.0
SLURRY	2/1/2018 20:25	2/1/2018 20:31	476.00	4,475.00	BROWN, 40/70	1.50	30,601.0	121,446.0
SLURRY	2/1/2018 20:31	2/1/2018 20:34	304.00	4,779.00	BROWN, 40/70	2.00	27,383.0	148,829.0
SLURRY	2/1/2018 20:34	2/1/2018 20:41	595.00	5,374.00	BROWN, 30/50	1.50	37,769.0	186,598.0
SLURRY	2/1/2018 20:41	2/1/2018 20:47	571.00	5,945.00	BROWN, 30/50	2.00	48,011.0	234,609.0
SLURRY	2/1/2018 20:47	2/1/2018 20:51	286.00	6,231.00	BROWN, 30/50	2.50	29,947.0	264,556.0
SLURRY	2/1/2018 20:51	2/1/2018 20:55	343.00	6,574.00	BROWN, 20/40	3.00	38,767.0	303,323.0
FLUSH	2/1/2018 20:55	2/1/2018 21:00	306.00	6,880.00				303,323.0
CLOSE WELLHEAD	2/1/2018 21:00	2/1/2018 21:00		6,880.00				303,323.0

Proppants		
Type	Des	Sand Size
BROWN	BULK SAND	40/70
BROWN	BULK SAND	30/50
BROWN	BULK SAND	20/40
OTHER	BULK SAND	100 Mesh

Frac Stage 54 on 2/2/2018 04:19							
Proposed? No	Type HYDRAULIC FRACTURE	Date 2/2/2018		String (Deployment Method) PRODUCTION, 18,472.0ftKB		Top Depth (ftKB) 10,269.0	Bottom Depth (ftKB) 10,391.0
Post Job Frac Gradient (...) 0.79	Pump Power Max (hp) 17,753.7	Proppant Designed (lb)	Proppant In Formation (lb) 307,639.6	Proppant In Wellbore (lb)	Proppant Total (lb) 301,844.0	Clean Volume Design (bbl)	Total Clean Volume (bbl) 7,029.00
Open Wellhead (psi) 900.0	Final ISIP (psi) 3,002.0	Close Wellhead (psi) 2,335.0	Breakdown Pressure (psi) 4,494.0	Max Treating Pressure (...) 7,930.0	Avg Treating Pressure (...) 6,731.0	Max Slurry Rate (bbl/min) 90	Avg Slurry Rate (bbl/min) 90
Comment Stage 52 PTD (100% Sand)							

Pumping Summary								
Stage Type	Start Date	End Date	Total Clean Volume (bbl)	Cum Total Clean Vol (bbl)	Link to Proppant	Surf Proppant Conc End (lb/gal)	Proppant Mass (lb)	Cum Proppant Mass (lb)
OPEN WELLHEAD	2/2/2018 04:19	2/2/2018 04:20						
ACID	2/2/2018 04:20	2/2/2018 04:26	24.00	24.00				
PAD	2/2/2018 04:26	2/2/2018 04:41	1,071.00	1,095.00				
SLURRY	2/2/2018 04:41	2/2/2018 04:47	500.00	1,595.00	OTHER, 100 Mesh	0.25	4,953.0	4,953.0
SLURRY	2/2/2018 04:47	2/2/2018 04:53	500.00	2,095.00	OTHER, 100 Mesh	0.50	9,888.0	14,841.0
SLURRY	2/2/2018 04:53	2/2/2018 04:58	429.00	2,524.00	OTHER, 100 Mesh	0.75	13,643.0	28,484.0
SLURRY	2/2/2018 04:58	2/2/2018 05:01	332.00	2,856.00	OTHER, 100 Mesh	1.00	14,024.0	42,508.0
SLURRY	2/2/2018 05:01	2/2/2018 05:09	619.00	3,475.00	BROWN, 40/70	0.75	20,531.0	63,039.0
SLURRY	2/2/2018 05:09	2/2/2018 05:15	571.00	4,046.00	BROWN, 40/70	1.00	25,564.0	88,603.0
SLURRY	2/2/2018 05:15	2/2/2018 05:20	476.00	4,522.00	BROWN, 40/70	1.50	29,954.0	118,557.0
SLURRY	2/2/2018 05:20	2/2/2018 05:24	365.00	4,887.00	BROWN, 40/70	2.00	30,070.0	148,627.0
SLURRY	2/2/2018 05:24	2/2/2018 05:32	595.00	5,482.00	BROWN, 30/50	1.50	37,218.0	185,845.0
SLURRY	2/2/2018 05:32	2/2/2018 05:41	571.00	6,053.00	BROWN, 30/50	2.00	44,905.0	230,750.0
SLURRY	2/2/2018 05:41	2/2/2018 05:47	324.00	6,377.00	BROWN, 30/50	2.50	33,388.0	264,138.0
SLURRY	2/2/2018 05:47	2/2/2018 05:47	350.00	6,727.00	BROWN, 20/40	3.00	37,706.0	301,844.0
FLUSH	2/2/2018 05:47	2/2/2018 05:51	302.00	7,029.00				301,844.0
CLOSE WELLHEAD	2/2/2018 05:51	2/2/2018 05:51		7,029.00				301,844.0

Proppants		
Type	Des	Sand Size
BROWN	BULK SAND	40/70
BROWN	BULK SAND	30/50
BROWN	BULK SAND	20/40
OTHER	BULK SAND	100 Mesh

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PIONEER  
NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job: OCM

Report Date: 2/2/2018

Report #: 29

AFE #: 043269;045375

Total AFE + Sup: \$5,101,753.00

Cum Field Estimate: \$3,947,247.06

Daily Field Estimate: \$240,529.87

Other In Hole

Prop Run?	Prop Pull?	Des	Run Date	OD (in)	Top (ftKB)	Btm (ftKB)	Pull Date	Plug Drill Out Duration (min)	Com
No	Yes	FRAC PLUG	2/1/2018 08:30	4.38	10,706.0	10,708.0			
No	Yes	FRAC PLUG	2/1/2018 14:48	4.38	10,556.0	10,558.0			
No	Yes	FRAC PLUG	2/1/2018 21:36	4.38	10,406.0	10,408.0			STG 54

PIONEER

NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job:

Report Date:

Report #:

AFE #:

Total AFE + Sup:

Cum Field Estimate:

Daily Field Estimate:

OCM

2/3/2018

30

043269;045375

\$5,101,753.00

\$4,138,112.77

\$190,865.72

SSN

API/UWI

Property Sub

Field Name

Open Formation

Spud Date

TD (max) (ftKB)

ID00020003

42-461-40594-0000

949805-008

SPRABERRY (TREND AREA)

WOLFCAMP A2 (WFMP A2)

8/23/2017

18,490.0

Job Category

Primary Job Type

Start Date

End Date

Job Status

Responsible Grp 2

ORIG COMPLETION

OCM

1/4/2018

IN PROGRESS

STIM ENG - WALKER DREWRY

Job Dates

Date

Type

Subtype

Note

MILESTONE

TURN OVER TO PRODUCTION

Date

Type

Subtype

Note

PLAN

STIMULATION END

Date

Type

Subtype

Note

PLAN

POST-STIM END

Date

Type

Subtype

Note

1/13/2018

MILESTONE

READY TO START (RTS)

Safety Checks

Time

Type

Des

Tour

Com

06:01

MEETING

PRE-TOUR

DAY

Discussed all roles, responsibilities and risk associated with each task that each vendor will be performing during the day shift.

06:02

MEETING

JSA

DAY

Reviewed and discussed all JSA'S

18:00

MEETING

JSA

NIGHT

HAD SAFETY MEETING WITH ALL VENDORS ON LOCATION TO GO OVER HAZARDS ON EACH VENDOR'S OPERATION, STATED NEAREST HOSPITAL, SWA, 7 RTLБ, LINE OF FIRE, FORKLIFT OPERATIONS

18:00

MEETING

PRE-TOUR

NIGHT

DISCUSS OPERATIONS AT HANDOVER

Daily Contacts on Location

Contact Name

Title

Tour

Mobile

Alt Mobile #

Note

DREWRY, WALKER

COMPLETION ENGINEER

DAY

432-894-0683

WOODALL, CHARLES

SUPERINTENDE NT

DAY

940-636-1062

BARRERA, ERNEST

FOREMAN

NIGHT

432-257-5465

JONES, JULIE

FOREMAN

NIGHT

505-515-5505

WEIKEL, RICKY

FOREMAN

NIGHT

956-500-1306

361-446-8521

SIMS, CLINT

FOREMAN

NIGHT

325-242-2958

CARRILLO, RUBEN

FOREMAN

DAY

432-258-0107

CREAGER, DANNY

FOREMAN

DAY

817-964-2142

BURTS, AJ

ENGINEER

DAY

432-270-5820

GANT, CALEB

FOREMAN

DAY

254-707-0495

Personnel Log

Company

Count

PIONEER NATURAL RESOURCES USA INC

6

CACTUS WELLHEAD

2

RSI

4

CASEDHOLE SOLUTIONS INC

8

GR ENERGY SERVICES

4

K&B OILFIELD SERVICES INC

2

TEXAS PRIDE FUELS

8

PNR PUMPING SERVICES LLC

25

LOUISIANA CRANE CO LLC

4

NALCO CHEMICAL COMPANY

2

SELECT ENERGY SERVICES LLC

12

Daily Operations

Operations at Report Time

Daily Goal Description

Daily Goal - Last 24

WAIT ON FRAC ORDER

STAGES PER DAY

3.0

Operations Summary

FRAC STG- 55, 56, 57

P&P STG- 55, 56, 57, 58

NPT; 0 HRS

Operations Next Report Period

CONTINUE STIM OPS

Remarks

No Accidents or incidents

Time Log

Start Time

End Time

Dur (hr)

Phase

Activity

Operation

Com

Ops Category

Prob Ref #

Prob Hrs (hr)

Frac Stage

06:00

06:30

0.5

STIM, OPS

SWAPOVER

SWAP\_WL

Swap Iron for WL OPS

NORMAL

06:30

07:00

0.5

STIM, OPS

WIRELINE

WL\_RUNDN

WL RIH to P/P for stg 55.

NORMAL

07:00

07:28

0.47

STIM, OPS

WIRELINE

WL\_RUNUP

P/P stg 55. Plug set and all shots fired. WL POOH.

NORMAL

07:28

08:04

0.6

STIM, OPS

NONOPS

PAD

Wait on well order to frac.

NORMAL

08:04

08:25

0.35

STIM, OPS

SWAPOVER

SWAP\_FRAC

Swap iron to frac 8H.

NORMAL

08:25

09:55

1.5

STIM, OPS

FRAC

STIM

Frac stage 55. PTД (100% Sand)

NORMAL

55

09:55

10:06

0.18

STIM, OPS

SWAPOVER

SWAP\_WL

Swap Iron for WL OPS

NORMAL

10:06

10:30

0.4

STIM, OPS

WIRELINE

WL\_RUNDN

RIH to P/P for stage 56.

NORMAL

10:30

11:00

0.5

STIM, OPS

WIRELINE

WL\_RUNUP

P/P stage 56. Plug set and all shots fired. WL POOH.

NORMAL

11:00

13:52

2.87

STIM, OPS

NONOPS

PAD

Wait on well order to frac.

NORMAL

PIONEER

NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job:  
Report Date:  
Report #:  
AFE #:  
Total AFE + Sup:  
Cum Field Estimate:  
Daily Field Estimate:

OCM  
2/3/2018  
30  
043269;045375  
\$5,101,753.00  
\$4,138,112.77  
\$190,865.72

Time Log

Start Time	End Time	Dur (hr)	Phase	Activity	Operation	Com	Ops Category	Prob Ref #	Prob Hrs (hr)	Frac Stage
13:52	14:22	0.5	STIM, OPS	SWAPOVER	SWAP_FRAC	Swap iron to frac 8H.	NORMAL			
14:22	15:52	1.5	STIM, OPS	FRAC	STIM	Frac stage 56. PTD (100% Sand)	NORMAL			56
15:52	16:08	0.27	STIM, OPS	SWAPOVER	SWAP_WL	Swap Iron for WL OPS	NORMAL			
16:08	16:31	0.39	STIM, OPS	WIRELINE	WL_RUNDN	WL RIH to P/P for stg 57	NORMAL			
16:31	16:55	0.39	STIM, OPS	WIRELINE	WL_RUNUP	P/P stage 57. Plug set and all shots fired. WL POOH.	NORMAL			
16:55	00:08	7.22	STIM, OPS	NONOPS	PAD	Wait on well order to frac.	NORMAL			
00:08	00:23	0.25	STIM, OPS	SWAPOVER	SWAP_FRAC	SWAP FRAC PRIME AND TEST	NORMAL			
00:23	01:56	1.55	STIM, OPS	FRAC	STIM	FRAC STG 57	NORMAL			57
01:56	02:33	0.62	STIM, OPS	SWAPOVER	SWAP_WL	SWAP TO WL RU AND TEST LUB	NORMAL			
02:33	02:57	0.39	STIM, OPS	WIRELINE	WL_RUNDN	P/P STG 58	NORMAL			
02:57	03:18	0.36	STIM, OPS	WIRELINE	WL_RUNUP	ASF, POOH	NORMAL			
03:18	06:00	2.69	STIM, OPS	NONOPS	PAD	WAIT ON FRAC ORDER	NORMAL			

Fluid Summary

Fluid	Cum to Well (bbl)	To well (bbl)	Cum from Well (bbl)	From well (bbl)	Left to recover (bbl)
DISPOSED			3,000.0		-3,000.0
WELL FLUID	424,528.0	21,148.0	482.0		424,046.0

Interval Problems

<Problem Type?>, <Problem Subtype?>, <Problem Description?>, <Start Date?>

Ref #	End Date	Dur (Net) (hr)	Excl...	Accountable Party	Est Cost (Cost)	Comment
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Rigs

Contractor	Rig #	Start Date	RR Date	Rig Type
VAUGHN ENERGY SERVICES (VES)	1	1/4/2018 22:00	1/5/2018 19:00	WIRELINE
PIONEER PUMPING SERVICES	5	1/10/2018 06:00		FRAC FLEET
REFINERY SPECIALTIES INC (RSI)	1	1/10/2018 06:00		PUMP DOWN
CASED HOLE SOLUTIONS	1	1/11/2018 02:00		WIRELINE
KEY ENERGY COIL		1/17/2018 12:30	1/18/2018 16:30	COIL TUBING

DIESEL, DYED

Total Received	Total Consumed	Total Returned
79,124.0	79,124.0	0.0

DIESEL, FUEL

Total Received	Total Consumed	Total Returned
71.6	71.6	0.0

Perforations

Int #	Prop?	Type	Top (ftKB)	Btm (ftKB)	Btm - Top (ft)	Shot Dens (shots/ft)	Entered Shot Total	String Perforated	Com	Cluster #
58	No	CONVENTIONAL PERF	9,669.0	9,671.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		5
58	No	CONVENTIONAL PERF	9,699.0	9,701.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		4
58	No	CONVENTIONAL PERF	9,729.0	9,731.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		3
58	No	CONVENTIONAL PERF	9,759.0	9,761.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		2
58	No	CONVENTIONAL PERF	9,789.0	9,791.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		1
57	No	CONVENTIONAL PERF	9,819.0	9,821.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		5
57	No	CONVENTIONAL PERF	9,849.0	9,851.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		4
57	No	CONVENTIONAL PERF	9,879.0	9,881.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		3
57	No	CONVENTIONAL PERF	9,909.0	9,911.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		2
57	No	CONVENTIONAL PERF	9,939.0	9,941.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		1
56	No	CONVENTIONAL PERF	9,969.0	9,971.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		5
56	No	CONVENTIONAL PERF	9,999.0	10,001.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		4
56	No	CONVENTIONAL PERF	10,029.0	10,031.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		3
56	No	CONVENTIONAL PERF	10,059.0	10,061.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		2
56	No	CONVENTIONAL PERF	10,089.0	10,091.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		1

PIONEER

NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job:

Report Date:

Report #:

AFE #:

Total AFE + Sup:

Cum Field Estimate:

Daily Field Estimate:

OCM

2/3/2018

30

043269;045375

\$5,101,753.00

\$4,138,112.77

\$190,865.72

Perforations

Int #	Prop?	Type	Top (ftKB)	Btm (ftKB)	Btm - Top (ft)	Shot Dens (shots/ft)	Entered Shot Total	String Perforated	Com	Cluster #
55	No	CONVENTIONAL PERF	10,119.0	10,121.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		5
55	No	CONVENTIONAL PERF	10,149.0	10,151.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		4
55	No	CONVENTIONAL PERF	10,179.0	10,181.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		3
55	No	CONVENTIONAL PERF	10,209.0	10,211.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		2
55	No	CONVENTIONAL PERF	10,239.0	10,241.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		1

Stimulations Summary

Stim/Treat Company PIONEER PUMPING SERVICES		Diversion Company		Diversion Method COMPOSITE PLUG		Start Date 1/13/2018 12:00		End Date		Job OCM, 1/4/2018 08:00	
Number of Treatment Intervals 57		Design Number of Treatment Intervals 65		Volume Clean Total (bbl) 421,933.00				Proppant Total (lb) 17,251,559.0			

Stimulation Intervals

Frac Stage 55 on 2/2/2018 08:23

Proposed? No	Type HYDRAULIC FRACTURE	Date 2/2/2018		String (Deployment Method) PRODUCTION, 18,472.0ftKB			Top Depth (ftKB) 10,119.0		Bottom Depth (ftKB) 10,241.0		
Post Job Frac Gradient (...) 0.76		Pump Power Max (hp) 15,980.5		Proppant Designed (lb) 304,468.6		Proppant In Formation (lb) 304,468.6		Proppant In Wellbore (lb) 304,468.6		Proppant Total (lb) 298,754.0	Clean Volume Design (bbl) 6,982.00
Open Wellhead (psi) 1,209.0		Final ISIP (psi) 2,766.0		Close Wellhead (psi) 2,250.0		Breakdown Pressure (psi) 4,379.0		Max Treating Pressure (...) 7,138.0		Avg Treating Pressure (...) 6,435.0	Max Slurry Rate (bbl/min) 90
Avg Slurry Rate (bbl/min) 85											

Comment  
Stage 55 PTD (100% Sand)

Pumping Summary

Stage Type	Start Date	End Date	Total Clean Volume (bbl)	Cum Total Clean Vol (bbl)	Link to Proppant	Surf Proppant Conc End (lb/gal)	Proppant Mass (lb)	Cum Proppant Mass (lb)
OPEN WELLHEAD	2/2/2018 08:23	2/2/2018 08:25						
ACID	2/2/2018 08:25	2/2/2018 08:29	24.00	24.00				
PAD	2/2/2018 08:29	2/2/2018 08:47	1,071.00	1,095.00				
SLURRY	2/2/2018 08:47	2/2/2018 08:53	500.00	1,595.00	OTHER, 100 Mesh	0.25	4,642.0	4,642.0
SLURRY	2/2/2018 08:53	2/2/2018 08:59	500.00	2,095.00	OTHER, 100 Mesh	0.50	10,873.0	15,515.0
SLURRY	2/2/2018 08:59	2/2/2018 09:03	429.00	2,524.00	OTHER, 100 Mesh	0.75	12,741.0	28,256.0
SLURRY	2/2/2018 09:03	2/2/2018 09:07	288.00	2,812.00	OTHER, 100 Mesh	1.00	13,402.0	41,658.0
SLURRY	2/2/2018 09:07	2/2/2018 09:13	619.00	3,431.00	BROWN, 40/70	0.75	21,579.0	63,237.0
SLURRY	2/2/2018 09:13	2/2/2018 09:20	571.00	4,002.00	BROWN, 40/70	1.00	24,812.0	88,049.0
SLURRY	2/2/2018 09:20	2/2/2018 09:28	476.00	4,478.00	BROWN, 40/70	1.50	30,980.0	119,029.0
SLURRY	2/2/2018 09:28	2/2/2018 09:30	323.00	4,801.00	BROWN, 40/70	2.00	27,294.0	146,323.0
SLURRY	2/2/2018 09:30	2/2/2018 09:37	595.00	5,396.00	BROWN, 30/50	1.50	37,631.0	183,954.0
SLURRY	2/2/2018 09:37	2/2/2018 09:44	571.00	5,967.00	BROWN, 30/50	2.00	47,121.0	231,075.0
SLURRY	2/2/2018 09:44	2/2/2018 09:47	304.00	6,271.00	BROWN, 30/50	2.50	31,108.0	262,183.0
SLURRY	2/2/2018 09:47	2/2/2018 09:53	338.00	6,609.00	BROWN, 20/40	3.00	36,571.0	298,754.0
FLUSH	2/2/2018 09:53	2/2/2018 09:54	302.00	6,911.00				298,754.0
CLOSE WELLHEAD	2/2/2018 09:54	2/2/2018 09:54		6,911.00				298,754.0
PUMP DOWN	2/2/2018 10:07	2/2/2018 10:33	71.00	6,982.00				298,754.0

Proppants

Type	Des	Sand Size
BROWN	BULK SAND	40/70
BROWN	BULK SAND	30/50
BROWN	BULK SAND	20/40
OTHER	BULK SAND	100 Mesh

Frac Stage 56 on 2/2/2018 14:22

Proposed? No	Type HYDRAULIC FRACTURE	Date 2/2/2018		String (Deployment Method) PRODUCTION, 18,472.0ftKB			Top Depth (ftKB) 9,969.0		Bottom Depth (ftKB) 10,091.0		
Post Job Frac Gradient (...) 0.73		Pump Power Max (hp) 16,838.0		Proppant Designed (lb) 303,590.4		Proppant In Formation (lb) 303,590.4		Proppant In Wellbore (lb) 300,605.0		Proppant Total (lb) 300,605.0	Clean Volume Design (bbl) 6,972.00
Open Wellhead (psi) 1,117.0		Final ISIP (psi) 2,467.0		Close Wellhead (psi) 2,457.0		Breakdown Pressure (psi) 4,409.0		Max Treating Pressure (...) 7,521.0		Avg Treating Pressure (...) 6,908.0	Max Slurry Rate (bbl/min) 90
Avg Slurry Rate (bbl/min) 90											

Comment  
Stage 56 PTD (100% Sand)

Pumping Summary

Stage Type	Start Date	End Date	Total Clean Volume (bbl)	Cum Total Clean Vol (bbl)	Link to Proppant	Surf Proppant Conc End (lb/gal)	Proppant Mass (lb)	Cum Proppant Mass (lb)
OPEN WELLHEAD	2/2/2018 14:22	2/2/2018 14:22						
ACID	2/2/2018 14:22	2/2/2018 14:27	24.00	24.00				
PAD	2/2/2018 14:27	2/2/2018 14:44	1,071.00	1,095.00				
SLURRY	2/2/2018 14:44	2/2/2018 14:50	500.00	1,595.00	OTHER, 100 Mesh	0.25	4,996.0	4,996.0
SLURRY	2/2/2018 14:50	2/2/2018 14:55	500.00	2,095.00	OTHER, 100 Mesh	0.50	10,944.0	15,940.0
SLURRY	2/2/2018 14:55	2/2/2018 15:00	429.00	2,524.00	OTHER, 100 Mesh	0.75	13,533.0	29,473.0
SLURRY	2/2/2018 15:00	2/2/2018 15:03	284.00	2,808.00	OTHER, 100 Mesh	1.00	12,847.0	42,320.0
SLURRY	2/2/2018 15:03	2/2/2018 15:10	619.00	3,427.00	BROWN, 40/70	0.75	21,515.0	63,835.0
SLURRY	2/2/2018 15:10	2/2/2018 15:17	571.00	3,998.00	BROWN, 40/70	1.00	26,068.0	89,903.0
SLURRY	2/2/2018 15:17	2/2/2018 15:22	476.00	4,474.00	BROWN, 40/70	1.50	31,267.0	121,170.0
SLURRY	2/2/2018 15:22	2/2/2018 15:25	314.00	4,788.00	BROWN, 40/70	2.00	26,109.0	147,279.0

PIONEER  
NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job: OCM  
Report Date: 2/3/2018  
Report #: 30  
AFE #: 043269;045375  
Total AFE + Sup: \$5,101,753.00  
Cum Field Estimate: \$4,138,112.77  
Daily Field Estimate: \$190,865.72

Pumping Summary

Stage Type	Start Date	End Date	Total Clean Volume (bbl)	Cum Total Clean Vol (bbl)	Link to Proppant	Surf Proppant Conc End (lb/gal)	Proppant Mass (lb)	Cum Proppant Mass (lb)
SLURRY	2/2/2018 15:25	2/2/2018 15:34	595.00	5,383.00	BROWN, 30/50	1.50	39,333.0	186,612.0
SLURRY	2/2/2018 15:34	2/2/2018 15:40	571.00	5,954.00	BROWN, 30/50	2.00	48,002.0	234,614.0
SLURRY	2/2/2018 15:40	2/2/2018 15:43	270.00	6,224.00	BROWN, 30/50	2.50	28,003.0	262,617.0
SLURRY	2/2/2018 15:43	2/2/2018 15:48	360.00	6,584.00	BROWN, 20/40	3.00	37,988.0	300,605.0
FLUSH	2/2/2018 15:48	2/2/2018 15:53	313.00	6,897.00				300,605.0
CLOSE WELLHEAD	2/2/2018 15:53	2/2/2018 15:53		6,897.00				300,605.0
PUMP DOWN	2/2/2018 16:06	2/2/2018 16:31	75.00	6,972.00				300,605.0

Type	Des	Sand Size
BROWN	BULK SAND	40/70
BROWN	BULK SAND	30/50
BROWN	BULK SAND	20/40
OTHER	BULK SAND	100 Mesh

Frac Stage 57 on 2/3/2018 00:23

Proposed? No	Type HYDRAULIC FRACTURE	Date 2/3/2018	String (Deployment Method) PRODUCTION, 18,472.0ftKB				Top Depth (ftKB) 9,819.0	Bottom Depth (ftKB) 9,941.0
Post Job Frac Gradient (...) 0.86	Pump Power Max (hp) 17,850.8	Proppant Designed (lb)	Proppant In Formation (lb) 311,681.1	Proppant In Wellbore (lb)	Proppant Total (lb) 305,883.0	Clean Volume Design (bbl)	Total Clean Volume (bbl) 7,109.00	
Open Wellhead (psi) 1,010.0	Final ISIP (psi) 3,622.0	Close Wellhead (psi) 2,575.0	Breakdown Pressure (psi) 4,580.0	Max Treating Pressure (...) 7,951.0	Avg Treating Pressure (...) 6,748.0	Max Slurry Rate (bbl/min) 91.6	Avg Slurry Rate (bbl/min) 90.8	

Comment  
STG 57 PTD

Pumping Summary

Stage Type	Start Date	End Date	Total Clean Volume (bbl)	Cum Total Clean Vol (bbl)	Link to Proppant	Surf Proppant Conc End (lb/gal)	Proppant Mass (lb)	Cum Proppant Mass (lb)
OPEN WELLHEAD	2/3/2018 00:23	2/3/2018 00:25						
ACID	2/3/2018 00:25	2/3/2018 00:40	24.00	24.00				
PAD	2/3/2018 00:40	2/3/2018 00:46	1,071.00	1,095.00				
SLURRY	2/3/2018 00:46	2/3/2018 00:52	500.00	1,595.00	OTHER, 100 Mesh	0.25	5,117.0	5,117.0
SLURRY	2/3/2018 00:52	2/3/2018 00:58	500.00	2,095.00	OTHER, 100 Mesh	0.50	10,595.0	15,712.0
SLURRY	2/3/2018 00:58	2/3/2018 01:02	429.00	2,524.00	OTHER, 100 Mesh	0.75	11,829.0	27,541.0
SLURRY	2/3/2018 01:02	2/3/2018 01:06	349.00	2,873.00	OTHER, 100 Mesh	1.00	15,179.0	42,720.0
SLURRY	2/3/2018 01:06	2/3/2018 01:13	619.00	3,492.00	BROWN, 40/70	0.75	19,851.0	62,571.0
SLURRY	2/3/2018 01:13	2/3/2018 01:20	571.00	4,063.00	BROWN, 40/70	1.00	24,972.0	87,543.0
SLURRY	2/3/2018 01:20	2/3/2018 01:25	476.00	4,539.00	BROWN, 40/70	1.50	30,009.0	117,552.0
SLURRY	2/3/2018 01:25	2/3/2018 01:30	418.00	4,957.00	BROWN, 40/70	2.00	35,620.0	153,172.0
SLURRY	2/3/2018 01:30	2/3/2018 01:38	595.00	5,552.00	BROWN, 30/50	1.50	38,747.0	191,919.0
SLURRY	2/3/2018 01:38	2/3/2018 01:44	571.00	6,123.00	BROWN, 30/50	2.00	47,401.0	239,320.0
SLURRY	2/3/2018 01:44	2/3/2018 01:47	282.00	6,405.00	BROWN, 30/50	2.50	29,494.0	268,814.0
SLURRY	2/3/2018 01:47	2/3/2018 01:52	351.00	6,756.00	BROWN, 20/40	3.00	37,069.0	305,883.0
FLUSH	2/3/2018 01:52	2/3/2018 01:56	294.00	7,050.00				305,883.0
CLOSE WELLHEAD	2/3/2018 01:56	2/3/2018 01:56		7,050.00				305,883.0
PUMP DOWN	2/3/2018 02:56	2/3/2018 03:06	59.00	7,109.00				305,883.0

Type	Des	Sand Size
BROWN	BULK SAND	40/70
BROWN	BULK SAND	30/50
BROWN	BULK SAND	20/40
OTHER	BULK SAND	100 Mesh

Other In Hole

Prop Run?	Prop Pull?	Des	Run Date	OD (in)	Top (ftKB)	Btm (ftKB)	Pull Date	Plug Drill Out Duration (min)	Com
No	Yes	FRAC PLUG	2/2/2018 07:00	4.38	10,256.0	10,258.0			
No	Yes	FRAC PLUG	2/2/2018 10:33	4.38	10,106.0	10,108.0			
No	Yes	FRAC PLUG	2/2/2018 16:31	4.38	9,956.0	9,958.0			
No	Yes	FRAC PLUG	2/3/2018 02:59	4.38	9,805.0	9,807.0			STG 58 MOVED 1'

PIONEER

NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job:

Report Date:

Report #:

AFE #:

Total AFE + Sup:

Cum Field Estimate:

Daily Field Estimate:

OCM

2/4/2018

31

043269;045375

\$5,101,753.00

\$4,378,880.72

\$238,872.94

SSN

API/UWI

Property Sub

Field Name

Open Formation

Spud Date

TD (max) (ftKB)

ID00020003

42-461-40594-0000

949805-008

SPRABERRY (TREND AREA)

WOLFCAMP A2 (WFMP A2)

8/23/2017

18,490.0

Job Category

Primary Job Type

Start Date

End Date

Job Status

Responsible Grp 2

ORIG COMPLETION

OCM

1/4/2018

IN PROGRESS

STIM ENG - WALKER DREWRY

Job Dates

Date

Type

Subtype

Note

MILESTONE

TURN OVER TO PRODUCTION

Date

Type

Subtype

Note

PLAN

STIMULATION END

Date

Type

Subtype

Note

PLAN

POST-STIM END

Date

Type

Subtype

Note

1/13/2018

MILESTONE

READY TO START (RTS)

Safety Checks

Time

Type

Des

Tour

Com

06:01

MEETING

PRE-TOUR

DAY

Discussed all roles, responsibilities and risk associated with each task that each vendor will be performing during the day shift.

06:02

MEETING

JSA

DAY

Reviewed and discussed all JSA'S

18:00

MEETING

PRE-TOUR

NIGHT

DISCUSS OPERATIONS AT HANDOVER

18:00

MEETING

JSA

NIGHT

HAD SAFETY MEETING WITH ALL VENDORS ON LOCATION TO GO OVER HAZARDS ON EACH VENDOR'S OPERATION, STATED NEAREST HOSPITAL, SWA, 7 RTLB, LINE OF FIRE, FORKLIFT OPERATIONS

Daily Contacts on Location

Contact Name

Title

Tour

Mobile

Alt Mobile #

Note

DREWRY, WALKER

COMPLETION ENGINEER

DAY

432-894-0683

WOODALL, CHARLES

SUPERINTENDE NT

DAY

940-636-1062

JONES, JULIE

FOREMAN

NIGHT

505-515-5505

WEIKEL, RICKY

FOREMAN

NIGHT

956-500-1306

361-446-8521

SIMS, CLINT

FOREMAN

NIGHT

325-242-2958

CARRILLO, RUBEN

FOREMAN

DAY

432-258-0107

CREAGER, DANNY

FOREMAN

DAY

817-964-2142

BURTS, AJ

ENGINEER

DAY

432-270-5820

GANT, CALEB

FOREMAN

DAY

254-707-0495

Personnel Log

Company

Count

PIONEER NATURAL RESOURCES USA INC

6

CACTUS WELLHEAD

2

RSI

4

CASEDHOLE SOLUTIONS INC

8

GR ENERGY SERVICES

4

K&B OILFIELD SERVICES INC

2

TEXAS PRIDE FUELS

8

PNR PUMPING SERVICES LLC

25

LOUISIANA CRANE CO LLC

4

NALCO CHEMICAL COMPANY

2

SELECT ENERGY SERVICES LLC

12

Daily Operations

Operations at Report Time

Daily Goal Description

Daily Goal - Last 24

WAIT ON FRAC ORDER

STAGES PER DAY

3.0

Operations Summary

FRAC STG- 58, 59, 60, 61

P&P STG- 59, 60, 61, 62

NPT; 0 HRS

Operations Next Report Period

CONTINUE STIM OPS

Remarks

No Accidents or incidents

Time Log

Start Time

End Time

Dur (hr)

Phase

Activity

Operation

Com

Ops Category

Prob Ref #

Prob Hrs (hr)

Frac Stage

06:00

06:15

0.25

STIM, OPS

NONOPS

PAD

Wait on well order to frac.

NORMAL

06:15

06:40

0.42

STIM, OPS

SWAPOVER

SWAP\_FRAC

Swap iron over to frac 8H.

NORMAL

06:40

08:10

1.5

STIM, OPS

FRAC

STIM

Frac stage 58. PTD (100% Sand)

NORMAL

58

08:10

08:25

0.25

STIM, OPS

SWAPOVER

SWAP\_WL

Swap iron for WL Ops on 8H.

NORMAL

08:25

08:55

0.5

STIM, OPS

WIRELINE

WL\_RUNDN

WL RIH to P/P for stg 59.

NORMAL

08:55

09:19

0.4

STIM, OPS

WIRELINE

WL\_RUNUP

P/P stg 59. Plug set and all shots fired. WL POOH.

NORMAL

09:19

12:28

3.15

STIM, OPS

NONOPS

PAD

Wait on well order to frac.

NORMAL

12:28

12:49

0.35

STIM, OPS

SWAPOVER

SWAP\_FRAC

Swap iron over to frac 8H.

NORMAL

12:49

14:22

1.55

STIM, OPS

FRAC

STIM

Frac stage 59. PTD (100% Sand)

NORMAL

59

14:22

14:31

0.16

STIM, OPS

SWAPOVER

SWAP\_WL

Swap iron for WL Ops on 8H.

NORMAL

PIONEER

NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job:

Report Date:

Report #:

AFE #:

Total AFE + Sup:

Cum Field Estimate:

Daily Field Estimate:

OCM

2/4/2018

31

043269;045375

\$5,101,753.00

\$4,378,880.72

\$238,872.94

Time Log

Start Time	End Time	Dur (hr)	Phase	Activity	Operation	Com	Ops Category	Prob Ref #	Prob Hrs (hr)	Frac Stage
14:31	14:58	0.45	STIM, OPS	WIRELINE	WL_RUNDN	WL RIH to P/P for stg 60.	NORMAL			
14:58	15:25	0.45	STIM, OPS	WIRELINE	WL_RUNUP	P/P stg 60. Plug set and all shots fired. WL POOH.	NORMAL			
15:25	18:26	3.01	STIM, OPS	NONOPS	PAD	Wait on well order to frac.	NORMAL			
18:26	19:00	0.56	STIM, OPS	SWAPOVER	SWAP_FRAC	SWAP FRAC PRIME AND TEST	NORMAL			
19:00	20:32	1.54	STIM, OPS	FRAC	STIM	FRAC STG 60	NORMAL			60
20:32	21:10	0.63	STIM, OPS	SWAPOVER	SWAP_WL	SWAP WL RU AND TEST LUB	NORMAL			
21:10	21:30	0.33	STIM, OPS	WIRELINE	WL_RUNDN	P/P STG 61	NORMAL			
21:30	21:48	0.3	STIM, OPS	WIRELINE	WL_RUNUP	ASF, POOH	NORMAL			
21:48	01:15	3.46	STIM, OPS	NONOPS	PAD	WAIT ON FRAC ORDER	NORMAL			
01:15	01:54	0.64	STIM, OPS	SWAPOVER	SWAP_FRAC	SWAP FRAC PRIME AND TEST	NORMAL			
01:54	03:35	1.69	STIM, OPS	FRAC	STIM	FRAC STG 61	NORMAL			61
03:35	03:49	0.23	STIM, OPS	SWAPOVER	SWAP_WL	SWAP WL RU AND TEST LUB	NORMAL			
03:49	04:12	0.39	STIM, OPS	WIRELINE	WL_RUNDN	P/P STG 62	NORMAL			
04:12	04:30	0.29	STIM, OPS	WIRELINE	WL_RUNUP	ASF, POOH	NORMAL			
04:30	06:00	1.5	STIM, OPS	NONOPS	PAD	WAIT ON FRAC ORDER	NORMAL			

Fluid Summary

Fluid	Cum to Well (bbl)	To well (bbl)	Cum from Well (bbl)	From well (bbl)	Left to recover (bbl)
DISPOSED			3,000.0		-3,000.0
WELL FLUID	452,234.0	27,706.0	482.0		451,752.0

Interval Problems

<Problem Type?>, <Problem Subtype?>, <Problem Description?>, <Start Date?>

Ref #	End Date	Dur (Net) (hr)	Excl...	Accountable Party	Est Cost (Cost)	Comment
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Rigs

Contractor	Rig #	Start Date	RR Date	Rig Type
VAUGHN ENERGY SERVICES (VES)	1	1/4/2018 22:00	1/5/2018 19:00	WIRELINE
PIONEER PUMPING SERVICES	5	1/10/2018 06:00		FRAC FLEET
REFINERY SPECIALTIES INC (RSI)	1	1/10/2018 06:00		PUMP DOWN
CASED HOLE SOLUTIONS	1	1/11/2018 02:00		WIRELINE
KEY ENERGY COIL		1/17/2018 12:30	1/18/2018 16:30	COIL TUBING

DIESEL, DYED

Total Received	Total Consumed	Total Returned
79,124.0	79,124.0	0.0

DIESEL, FUEL

Total Received	Total Consumed	Total Returned
71.6	71.6	0.0

Perforations

Int #	Prop?	Type	Top (ftKB)	Btm (ftKB)	Btm - Top (ft)	Shot Dens (shots/ft)	Entered Shot Total	String Perforated	Com	Cluster #
62	No	CONVENTIONAL PERF	9,069.0	9,071.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		5
62	No	CONVENTIONAL PERF	9,099.0	9,101.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		4
62	No	CONVENTIONAL PERF	9,129.0	9,131.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		3
62	No	CONVENTIONAL PERF	9,159.0	9,161.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		2
62	No	CONVENTIONAL PERF	9,189.0	9,191.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		1
61	No	CONVENTIONAL PERF	9,219.0	9,221.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		5
61	No	CONVENTIONAL PERF	9,249.0	9,251.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		4
61	No	CONVENTIONAL PERF	9,279.0	9,281.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		3
61	No	CONVENTIONAL PERF	9,309.0	9,311.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		2
61	No	CONVENTIONAL PERF	9,339.0	9,341.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		1
60	No	CONVENTIONAL PERF	9,369.0	9,371.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		5
60	No	CONVENTIONAL PERF	9,399.0	9,401.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		4

PIONEER

NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job:

Report Date:

Report #:

AFE #:

Total AFE + Sup:

Cum Field Estimate:

Daily Field Estimate:

OCM

2/4/2018

31

043269;045375

\$5,101,753.00

\$4,378,880.72

\$238,872.94

Perforations

Int #	Prop?	Type	Top (ftKB)	Btm (ftKB)	Btm - Top (ft)	Shot Dens (shots/ft)	Entered Shot Total	String Perforated	Com	Cluster #
60	No	CONVENTIONAL PERF	9,429.0	9,431.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		3
60	No	CONVENTIONAL PERF	9,459.0	9,461.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		2
60	No	CONVENTIONAL PERF	9,489.0	9,491.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		1
59	No	CONVENTIONAL PERF	9,519.0	9,521.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		5
59	No	CONVENTIONAL PERF	9,549.0	9,551.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		4
59	No	CONVENTIONAL PERF	9,579.0	9,581.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		3
59	No	CONVENTIONAL PERF	9,609.0	9,611.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		2
59	No	CONVENTIONAL PERF	9,639.0	9,641.0	2.0	4.0	8	PRODUCTION, 18,472.0ftKB		1

Stimulations Summary

Stim/Treat Company		Diversion Company		Diversion Method		Start Date		End Date		Job	
PIONEER PUMPING SERVICES				COMPOSITE PLUG		1/13/2018 12:00				OCM, 1/4/2018 08:00	
Number of Treatment Intervals		Design Number of Treatment Intervals		Volume Clean Total (bbl)				Proppant Total (lb)			
61		65		449,639.00				18,444,685.0			

Stimulation Intervals

Frac Stage 58 on 2/3/2018 06:40

Proposed?	Type	Date		String (Deployment Method)			Top Depth (ftKB)		Bottom Depth (ftKB)		
No	HYDRAULIC FRACTURE	2/3/2018		PRODUCTION, 18,472.0ftKB			9,669.0		9,791.0		
Post Job Frac Gradient (...)		Pump Power Max (hp)		Proppant Designed (lb)		Proppant In Formation (lb)		Proppant In Wellbore (lb)		Proppant Total (lb)	
0.74		15,821.6				307,883.0				300,715.0	
Open Wellhead (psi)		Final ISIP (psi)		Close Wellhead (psi)		Breakdown Pressure (psi)		Max Treating Pressure (...)		Avg Treating Pressure (...)	
1,059.0		2,585.0		2,447.0		4,635.0		7,067.0		6,628.0	
Clean Volume Design (bbl)								Max Slurry Rate (bbl/min)		Avg Slurry Rate (bbl/min)	
								90.7		90.1	

Comment

Stage 58 PTD (100% Sand)

Pumping Summary

Stage Type	Start Date	End Date	Total Clean Volume (bbl)	Cum Total Clean Vol (bbl)	Link to Proppant	Surf Proppant Conc End (lb/gal)	Proppant Mass (lb)	Cum Proppant Mass (lb)
OPEN WELLHEAD	2/3/2018 06:40	2/3/2018 06:41						
ACID	2/3/2018 06:41	2/3/2018 06:44	24.00	24.00				
PAD	2/3/2018 06:44	2/3/2018 07:01	1,071.00	1,095.00				
SLURRY	2/3/2018 07:01	2/3/2018 07:06	500.00	1,595.00	OTHER, 100 Mesh	0.25	5,405.0	5,405.0
SLURRY	2/3/2018 07:06	2/3/2018 07:12	500.00	2,095.00	OTHER, 100 Mesh	0.50	10,340.0	15,745.0
SLURRY	2/3/2018 07:12	2/3/2018 07:17	429.00	2,524.00	OTHER, 100 Mesh	0.75	13,715.0	29,460.0
SLURRY	2/3/2018 07:17	2/3/2018 07:20	300.00	2,824.00	OTHER, 100 Mesh	1.00	13,469.0	42,929.0
SLURRY	2/3/2018 07:20	2/3/2018 07:27	619.00	3,443.00	BROWN, 40/70	0.75	21,899.0	64,828.0
SLURRY	2/3/2018 07:27	2/3/2018 07:32	571.00	4,014.00	BROWN, 40/70	1.00	26,253.0	91,081.0
SLURRY	2/3/2018 07:32	2/3/2018 07:40	476.00	4,490.00	BROWN, 40/70	1.50	31,964.0	123,045.0
SLURRY	2/3/2018 07:40	2/3/2018 07:43	289.00	4,779.00	BROWN, 40/70	2.00	23,918.0	146,963.0
SLURRY	2/3/2018 07:43	2/3/2018 07:50	595.00	5,374.00	BROWN, 30/50	1.50	39,451.0	186,414.0
SLURRY	2/3/2018 07:50	2/3/2018 07:57	571.00	5,945.00	BROWN, 30/50	2.00	48,291.0	234,705.0
SLURRY	2/3/2018 07:57	2/3/2018 08:00	254.00	6,199.00	BROWN, 30/50	2.50	27,018.0	261,723.0
SLURRY	2/3/2018 08:00	2/3/2018 08:05	364.00	6,563.00	BROWN, 20/40	3.00	38,992.0	300,715.0
FLUSH	2/3/2018 08:05	2/3/2018 08:09	289.00	6,852.00				300,715.0
CLOSE WELLHEAD	2/3/2018 08:09	2/3/2018 08:09		6,852.00				300,715.0
PUMP DOWN	2/3/2018 08:27	2/3/2018 09:16	55.00	6,907.00				300,715.0

Proppants

Type	Des	Sand Size
BROWN	BULK SAND	40/70
BROWN	BULK SAND	30/50
BROWN	BULK SAND	20/40
OTHER	BULK SAND	100 Mesh

Frac Stage 59 on 2/3/2018 12:50

Proposed?	Type	Date		String (Deployment Method)			Top Depth (ftKB)		Bottom Depth (ftKB)		
No	HYDRAULIC FRACTURE	2/3/2018		PRODUCTION, 18,472.0ftKB			9,519.0		9,641.0		
Post Job Frac Gradient (...)		Pump Power Max (hp)		Proppant Designed (lb)		Proppant In Formation (lb)		Proppant In Wellbore (lb)		Proppant Total (lb)	
0.73		16,932.2				297,947.7				291,115.0	
Open Wellhead (psi)		Final ISIP (psi)		Close Wellhead (psi)		Breakdown Pressure (psi)		Max Treating Pressure (...)		Avg Treating Pressure (...)	
1,056.0		2,483.0		2,354.0		4,803.0		7,559.0		89.0	
Clean Volume Design (bbl)								Max Slurry Rate (bbl/min)		Avg Slurry Rate (bbl/min)	
								90		6,765	

Comment

Stage 59 PTD (100% Sand)

Pumping Summary

Stage Type	Start Date	End Date	Total Clean Volume (bbl)	Cum Total Clean Vol (bbl)	Link to Proppant	Surf Proppant Conc End (lb/gal)	Proppant Mass (lb)	Cum Proppant Mass (lb)
OPEN WELLHEAD	2/3/2018 12:50	2/3/2018 12:52						
ACID	2/3/2018 12:52	2/3/2018 12:55	24.00	24.00				
PAD	2/3/2018 12:55	2/3/2018 13:12	1,071.00	1,095.00				
SLURRY	2/3/2018 13:12	2/3/2018 13:18	500.00	1,595.00	OTHER, 100 Mesh	0.25	3,756.0	3,756.0
SLURRY	2/3/2018 13:18	2/3/2018 13:23	500.00	2,095.00	OTHER, 100 Mesh	0.50	10,617.0	14,373.0



PIONEER  
NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job:  
Report Date:  
Report #:  
AFE #:  
Total AFE + Sup:  
Cum Field Estimate:  
Daily Field Estimate:

OCM  
2/4/2018  
31  
043269;045375  
\$5,101,753.00  
\$4,378,880.72  
\$238,872.94

Pumping Summary

Stage Type	Start Date	End Date	Total Clean Volume (bbl)	Cum Total Clean Vol (bbl)	Link to Proppant	Surf Proppant Conc End (lb/gal)	Proppant Mass (lb)	Cum Proppant Mass (lb)
SLURRY	2/4/2018 02:38	2/4/2018 02:43	429.00	2,524.00	OTHER, 100 Mesh	0.75	13,916.0	29,768.0
SLURRY	2/4/2018 02:43	2/4/2018 02:46	284.00	2,808.00	OTHER, 100 Mesh	1.00	13,066.0	42,834.0
SLURRY	2/4/2018 02:46	2/4/2018 02:54	619.00	3,427.00	BROWN, 40/70	0.75	21,812.0	64,646.0
SLURRY	2/4/2018 02:54	2/4/2018 03:00	571.00	3,998.00	BROWN, 40/70	1.00	24,968.0	89,614.0
SLURRY	2/4/2018 03:00	2/4/2018 03:06	476.00	4,474.00	BROWN, 40/70	1.50	31,620.0	121,234.0
SLURRY	2/4/2018 03:06	2/4/2018 03:09	318.00	4,792.00	BROWN, 40/70	2.00	25,585.0	146,819.0
SLURRY	2/4/2018 03:09	2/4/2018 03:17	595.00	5,387.00	BROWN, 30/50	1.50	38,316.0	185,135.0
SLURRY	2/4/2018 03:17	2/4/2018 03:24	571.00	5,958.00	BROWN, 30/50	2.00	47,548.0	232,683.0
SLURRY	2/4/2018 03:24	2/4/2018 03:27	279.00	6,237.00	BROWN, 30/50	2.50	30,243.0	262,926.0
SLURRY	2/4/2018 03:27	2/4/2018 03:31	342.00	6,579.00	BROWN, 20/40	3.00	35,946.0	298,872.0
FLUSH	2/4/2018 03:31	2/4/2018 03:35	279.00	6,858.00				298,872.0
CLOSE WELLHEAD	2/4/2018 03:35	2/4/2018 03:35		6,858.00				298,872.0
PUMP DOWN	2/4/2018 04:00	2/4/2018 04:13	36.00	6,894.00				298,872.0

Proppants

Type	Des	Sand Size
BROWN	BULK SAND	40/70
BROWN	BULK SAND	30/50
BROWN	BULK SAND	20/40
OTHER	BULK SAND	100 Mesh

Other In Hole

Prop Run?	Prop Pull?	Des	Run Date	OD (in)	Top (ftKB)	Btm (ftKB)	Pull Date	Plug Drill Out Duration (min)	Com
No	Yes	FRAC PLUG	2/3/2018 08:55	4.38	9,656.0	9,658.0			
No	Yes	FRAC PLUG	2/3/2018 14:58	4.38	9,506.0	9,508.0			
No	Yes	FRAC PLUG	2/3/2018 21:30	4.38	9,359.0	9,361.0			STG 60 MOVED 3' DOWN
No	Yes	FRAC PLUG	2/4/2018 04:12	4.38	9,209.0	9,211.0			STG 62 MOVED 3' DOWN

PIONEER

NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job:

Report Date:

Report #:

AFE #:

Total AFE + Sup:

Cum Field Estimate:

Daily Field Estimate:

OCM

2/5/2018

32

043269;045375

\$5,101,753.00

\$4,565,788.42

\$186,907.70

SSN

API/UWI

Property Sub

Field Name

Open Formation

Spud Date

TD (max) (ftKB)

ID00020003

42-461-40594-0000

949805-008

SPRABERRY (TREND AREA)

WOLFCAMP A2 (WFMP A2)

8/23/2017

18,490.0

Job Category

Primary Job Type

Start Date

End Date

Job Status

Responsible Grp 2

ORIG COMPLETION

OCM

1/4/2018

IN PROGRESS

STIM ENG - WALKER DREWRY

Job Dates

Date

Type

Subtype

Note

MILESTONE

TURN OVER TO PRODUCTION

Date

Type

Subtype

Note

PLAN

STIMULATION END

Date

Type

Subtype

Note

PLAN

POST-STIM END

Date

Type

Subtype

Note

1/13/2018

MILESTONE

READY TO START (RTS)

Safety Checks

Time

Type

Des

Tour

Com

06:01

MEETING

PRE-TOUR

DAY

Discussed all roles, responsibilities and risk associated with each task that each vendor will be performing during the day shift.

06:02

MEETING

JSA

DAY

Reviewed and discussed all JSA'S

18:00

MEETING

PRE-TOUR

NIGHT

DISCUSS OPERATIONS AT HANDOVER

18:00

MEETING

JSA

NIGHT

HAD SAFETY MEETING WITH ALL VENDORS ON LOCATION TO GO OVER HAZARDS ON EACH VENDOR'S OPERATION, STATED NEAREST HOSPITAL, SWA, 7 RTLb, LINE OF FIRE, FORKLIFT OPERATIONS

Daily Contacts on Location

Contact Name

Title

Tour

Mobile

Alt Mobile #

Note

DREWRY, WALKER

COMPLETION ENGINEER

DAY

432-894-0683

WOODALL, CHARLES

SUPERINTENDE NT

DAY

940-636-1062

JONES, JULIE

FOREMAN

NIGHT

505-515-5505

WEIKEL, RICKY

FOREMAN

NIGHT

956-500-1306

361-446-8521

SIMS, CLINT

FOREMAN

NIGHT

325-242-2958

CARRILLO, RUBEN

FOREMAN

DAY

432-258-0107

CREAGER, DANNY

FOREMAN

DAY

817-964-2142

BURTS, AJ

ENGINEER

DAY

432-270-5820

GANT, CALEB

FOREMAN

DAY

254-707-0495

Personnel Log

Company

Count

PIONEER NATURAL RESOURCES USA INC

6

CACTUS WELLHEAD

2

RSI

4

CASEDHOLE SOLUTIONS INC

8

GR ENERGY SERVICES

4

K&B OILFIELD SERVICES INC

2

TEXAS PRIDE FUELS

8

PNR PUMPING SERVICES LLC

25

LOUISIANA CRANE CO LLC

4

NALCO CHEMICAL COMPANY

2

SELECT ENERGY SERVICES LLC

12

Daily Operations

Operations at Report Time

Daily Goal Description

Daily Goal - Last 24

FRACKING STAGE 65

STAGES PER DAY

3.0

Operations Summary

FRAC STG- 62, 63, 64

P&P STG- 63, 64, 65

NPT; 0.87 HRS CHANGE TEE ON MISSILE

Operations Next Report Period

CONTINUE STIM OPS

Remarks

No Accidents or incidents

Time Log

Start Time

End Time

Dur (hr)

Phase

Activity

Operation

Com

Ops Category

Prob Ref #

Prob Hrs (hr)

Frac Stage

06:00

08:42

2.7

STIM, OPS

NONOPS

PAD

Wait on well order to frac.

NORMAL

08:42

09:12

0.5

STIM, OPS

SWAPOVER

SWAP\_FRAC

Swap iron over to frac 8H.

NORMAL

09:12

10:04

0.87

STIM, OPS

NONOPS

PAD

Replace T on the missile due to leaking during pressure test.

NORMAL

26

0.87

10:04

11:40

1.6

STIM, OPS

FRAC

STIM

Frac stage 62. PTD (100% Sand)

NORMAL

62

11:40

11:49

0.15

STIM, OPS

SWAPOVER

SWAP\_WL

Swap iron for WL Ops on 8H.

NORMAL

11:49

12:15

0.43

STIM, OPS

WIRELINE

WL\_RUNDN

WL RIH to P/P for stg 63.

NORMAL

12:15

12:40

0.43

STIM, OPS

WIRELINE

WL\_RUNUP

P/P stg 63. Plug set and all shots fired. WL POOH.

NORMAL

12:40

16:43

4.04

STIM, OPS

NONOPS

PAD

Wait on well order to frac.

NORMAL

16:43

17:13

0.51

STIM, OPS

SWAPOVER

SWAP\_FRAC

SWAP FRAC PRIME AND TEST

NORMAL

17:13

18:48

1.58

STIM, OPS

FRAC

STIM

FRAC STG 63

NORMAL

63





PIONEER  
NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job: OCM  
Report Date: 2/5/2018  
Report #: 32  
AFE #: 043269;045375  
Total AFE + Sup: \$5,101,753.00  
Cum Field Estimate: \$4,565,788.42  
Daily Field Estimate: \$186,907.70

Pumping Summary

Stage Type	Start Date	End Date	Total Clean Volume (bbl)	Cum Total Clean Vol (bbl)	Link to Proppant	Surf Proppant Conc End (lb/gal)	Proppant Mass (lb)	Cum Proppant Mass (lb)
SLURRY	2/4/2018 17:35	2/4/2018 17:42	500.00	1,595.00	OTHER, 100 Mesh	0.25	4,678.0	4,678.0
SLURRY	2/4/2018 17:42	2/4/2018 17:46	500.00	2,095.00	OTHER, 100 Mesh	0.50	10,952.0	15,630.0
SLURRY	2/4/2018 17:46	2/4/2018 17:51	429.00	2,524.00	OTHER, 100 Mesh	0.75	12,976.0	28,606.0
SLURRY	2/4/2018 17:51	2/4/2018 17:55	329.00	2,853.00	OTHER, 100 Mesh	1.00	14,630.0	43,236.0
SLURRY	2/4/2018 17:55	2/4/2018 18:02	619.00	3,472.00	BROWN, 40/70	0.75	21,684.0	64,920.0
SLURRY	2/4/2018 18:02	2/4/2018 18:09	571.00	4,043.00	BROWN, 40/70	1.00	24,832.0	89,752.0
SLURRY	2/4/2018 18:09	2/4/2018 18:15	476.00	4,519.00	BROWN, 40/70	1.50	31,375.0	121,127.0
SLURRY	2/4/2018 18:15	2/4/2018 18:18	324.00	4,843.00	BROWN, 40/70	2.00	25,945.0	147,072.0
SLURRY	2/4/2018 18:18	2/4/2018 18:29	924.00	5,767.00	BROWN, 30/50	1.50	38,924.0	185,996.0
SLURRY	2/4/2018 18:29	2/4/2018 18:37	571.00	6,338.00	BROWN, 30/50	2.00	48,299.0	234,295.0
SLURRY	2/4/2018 18:37	2/4/2018 18:39	275.00	6,613.00	BROWN, 30/50	2.50	28,226.0	262,521.0
SLURRY	2/4/2018 18:39	2/4/2018 18:44	388.00	7,001.00	BROWN, 20/40	3.00	37,782.0	300,303.0
FLUSH	2/4/2018 18:44	2/4/2018 18:48	275.00	7,276.00				300,303.0
CLOSE WELLHEAD	2/4/2018 18:48	2/4/2018 18:48		7,276.00				300,303.0
PUMP DOWN	2/4/2018 19:19	2/4/2018 19:31	27.00	7,303.00				300,303.0

Type	Des	Sand Size
BROWN	BULK SAND	40/70
BROWN	BULK SAND	30/50
BROWN	BULK SAND	20/40
OTHER	BULK SAND	100 Mesh

Frac Stage 64 on 2/4/2018 23:38

Proposed? No	Type HYDRAULIC FRACTURE	Date 2/4/2018	String (Deployment Method) PRODUCTION, 18,472.0ftKB			Top Depth (ftKB) 8,769.0	Bottom Depth (ftKB) 8,891.0
Post Job Frac Gradient (...) 0.86	Pump Power Max (hp) 15,686.0	Proppant Designed (lb)	Proppant In Formation (lb) 307,469.7	Proppant In Wellbore (lb)	Proppant Total (lb) 301,054.0	Clean Volume Design (bbl)	Total Clean Volume (bbl) 6,801.00
Open Wellhead (psi) 1,126.0	Final ISIP (psi) 3,586.0	Close Wellhead (psi) 2,508.0	Breakdown Pressure (psi) 4,492.0	Max Treating Pressure (...) 7,010.0	Avg Treating Pressure (...) 6,461.0	Max Slurry Rate (bbl/min) 91.3	Avg Slurry Rate (bbl/min) 90.2

Comment  
STG 64 PTD

Pumping Summary

Stage Type	Start Date	End Date	Total Clean Volume (bbl)	Cum Total Clean Vol (bbl)	Link to Proppant	Surf Proppant Conc End (lb/gal)	Proppant Mass (lb)	Cum Proppant Mass (lb)
OPEN WELLHEAD	2/4/2018 23:38	2/4/2018 23:39						
ACID	2/4/2018 23:39	2/4/2018 23:46	24.00	24.00				
PAD	2/4/2018 23:46	2/5/2018 00:00	1,071.00	1,095.00				
SLURRY	2/5/2018 00:00	2/5/2018 00:07	500.00	1,595.00	OTHER, 100 Mesh	0.25	5,920.0	5,920.0
SLURRY	2/5/2018 00:07	2/5/2018 00:12	500.00	2,095.00	OTHER, 100 Mesh	0.50	11,493.0	17,413.0
SLURRY	2/5/2018 00:12	2/5/2018 00:17	429.00	2,524.00	OTHER, 100 Mesh	0.75	14,424.0	31,837.0
SLURRY	2/5/2018 00:17	2/5/2018 00:19	234.00	2,758.00	OTHER, 100 Mesh	1.00	10,344.0	42,181.0
SLURRY	2/5/2018 00:19	2/5/2018 00:27	619.00	3,377.00	BROWN, 40/70	0.75	22,596.0	64,777.0
SLURRY	2/5/2018 00:27	2/5/2018 00:33	571.00	3,948.00	BROWN, 40/70	1.00	25,744.0	90,521.0
SLURRY	2/5/2018 00:33	2/5/2018 00:38	476.00	4,424.00	BROWN, 40/70	1.50	31,682.0	122,203.0
SLURRY	2/5/2018 00:38	2/5/2018 00:42	281.00	4,705.00	BROWN, 40/70	2.00	23,360.0	145,563.0
SLURRY	2/5/2018 00:42	2/5/2018 00:49	595.00	5,300.00	BROWN, 30/50	1.50	38,752.0	184,315.0
SLURRY	2/5/2018 00:49	2/5/2018 00:56	571.00	5,871.00	BROWN, 30/50	2.00	49,294.0	233,609.0
SLURRY	2/5/2018 00:56	2/5/2018 00:59	281.00	6,152.00	BROWN, 30/50	2.50	28,674.0	262,283.0
SLURRY	2/5/2018 00:59	2/5/2018 01:04	360.00	6,512.00	BROWN, 20/40	3.00	38,771.0	301,054.0
FLUSH	2/5/2018 01:04	2/5/2018 01:08	270.00	6,782.00				301,054.0
CLOSE WELLHEAD	2/5/2018 01:08	2/5/2018 01:08		6,782.00				301,054.0
PUMP DOWN	2/5/2018 01:39	2/5/2018 01:45	19.00	6,801.00				301,054.0

Type	Des	Sand Size
BROWN	BULK SAND	40/70
BROWN	BULK SAND	30/50
BROWN	BULK SAND	20/40
OTHER	BULK SAND	100 Mesh

Other In Hole

Prop Run?	Prop Pull?	Des	Run Date	OD (in)	Top (ftKB)	Btm (ftKB)	Pull Date	Plug Drill Out Duration (min)	Com
No	Yes	FRAC PLUG	2/4/2018 12:17	4.38	9,056.0	9,058.0			
No	Yes	FRAC PLUG	2/4/2018 19:22	4.38	8,906.0	8,908.0			STG 64
No	Yes	FRAC PLUG	2/5/2018 01:41	4.38	8,756.0	8,758.0			STG 65

PIONEER

NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job:

Report Date:

Report #:

AFE #:

Total AFE + Sup:

Cum Field Estimate:

Daily Field Estimate:

OCM

2/6/2018

33

043269;045375

\$5,101,753.00

\$4,627,340.92

\$62,502.50

SSN

API/UWI

Property Sub

Field Name

Open Formation

Spud Date

TD (max) (ftKB)

ID00020003

42-461-40594-0000

949805-008

SPRABERRY (TREND AREA)

WOLFCAMP A2 (WFMP A2)

8/23/2017

18,490.0

Job Category

Primary Job Type

Start Date

End Date

Job Status

Responsible Grp 2

ORIG COMPLETION

OCM

1/4/2018

IN PROGRESS

STIM ENG - WALKER DREWRY

Job Dates

Date

Type

Subtype

Note

MILESTONE

TURN OVER TO PRODUCTION

Date

Type

Subtype

Note

PLAN

STIMULATION END

Date

Type

Subtype

Note

PLAN

POST-STIM END

Date

Type

Subtype

Note

1/13/2018

MILESTONE

READY TO START (RTS)

Safety Checks

Time

Type

Des

Tour

Com

06:01

MEETING

PRE-TOUR

DAY

Discussed all roles, responsibilities and risk associated with each task that each vendor will be performing during the day shift.

06:02

MEETING

JSA

DAY

Reviewed and discussed all JSA'S

18:00

MEETING

JSA

NIGHT

HAD SAFETY MEETING WITH ALL VENDORS ON LOCATION TO GO OVER HAZARDS ON EACH VENDOR'S OPERATION, STATED NEAREST HOSPITAL, SWA, 7 RTLБ, LINE OF FIRE, FORKLIFT OPERATIONS

18:00

MEETING

PRE-TOUR

NIGHT

DISCUSS OPERATIONS AT HANDOVER

18:00

PROACTIVE MEASURES

WEEKLY TRENDS REVIEWED

NIGHT

TALKED ABOUT SLIPS, TRIPS, AND FALLS, AND THE BLIND FISH FACTOR GETTING COMFORTABLE AND COMPLACENT

Daily Contacts on Location

Contact Name

Title

Tour

Mobile

Alt Mobile #

Note

DREWRY, WALKER

COMPLETION ENGINEER

DAY

432-894-0683

WOODALL, CHARLES

SUPERINTENDE NT

DAY

940-636-1062

JONES, JULIE

FOREMAN

NIGHT

505-515-5505

WEIKEL, RICKY

FOREMAN

NIGHT

956-500-1306

361-446-8521

CARRILLO, RUBEN

FOREMAN

DAY

432-258-0107

CREAGER, DANNY

FOREMAN

DAY

817-964-2142

BURTS, AJ

ENGINEER

DAY

432-270-5820

GANT, CALEB

FOREMAN

DAY

254-707-0495

Personnel Log

Company

Count

PIONEER NATURAL RESOURCES USA INC

6

CACTUS WELLHEAD

2

RSI

4

CASEDHOLE SOLUTIONS INC

8

GR ENERGY SERVICES

4

K&B OILFIELD SERVICES INC

2

TEXAS PRIDE FUELS

8

PNR PUMPING SERVICES LLC

25

LOUISIANA CRANE CO LLC

4

NALCO CHEMICAL COMPANY

2

SELECT ENERGY SERVICES LLC

12

Daily Operations

Operations at Report Time

Daily Goal Description

Daily Goal - Last 24

Rigging down

STAGES PER DAY

1.0

Operations Summary

FRAC STG- 65

Set KP #1 @ 8,500'

Set KP #1 @ 8,480'

NPT; 0 HRS

Operations Next Report Period

CONTINUE STIM OPS

Remarks

No Accidents or incidents

Time Log

Start Time

End Time

Dur (hr)

Phase

Activity

Operation

Com

Ops Category

Prob Ref #

Prob Hrs (hr)

Frac Stage

06:00

06:18

0.3

STIM, OPS

SWAPOVER

SWAP\_FRAC

SWAP FRAC PRIME AND TEST @ RT.

NORMAL

06:18

07:42

1.4

STIM, OPS

FRAC

STIM

Frac stage 65. PTD (100% Sand)

NORMAL

65

07:42

08:00

0.3

STIM, POST OPS

SWAPOVER

SWAP\_WL

Swap iron for WL Ops on 8H.

NORMAL

08:00

08:42

0.7

STIM, POST OPS

WIRELINE

WL\_RUNDN

WL RIH to set kill plug #1 @ 8,500'.

NORMAL

08:42

09:06

0.4

STIM, POST OPS

WIRELINE

WL\_RUNUP

WL POOH.

NORMAL

09:06

09:36

0.5

STIM, POST OPS

WIRELINE

WL\_RUNDN

WL RIH to set kill plug #2 @ 8,480'.

NORMAL

09:36

10:30

0.9

STIM, POST OPS

WIRELINE

WL\_RUNUP

WL POOH. Perform 30 minute negative test. Test good. Shut in and secure well.

NORMAL

10:30

06:00

19.5

STIM, POST OPS

SETUP

RURD

Rig down all vendors.

NORMAL

Fluid Summary

Fluid

Cum to Well (bbl)

To well (bbl)

Cum from Well (bbl)

From well (bbl)

Left to recover (bbl)

DISPOSED

3,700.0

700.0

-3,700.0

WELL FLUID

480,160.0

6,837.0

482.0

479,678.0



PIONEER

NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job:

Report Date:

Report #:

AFE #:

Total AFE + Sup:

Cum Field Estimate:

Daily Field Estimate:

OCM

2/7/2018

34

043269;045375

\$5,101,753.00

\$4,727,945.92

\$100,605.00

SSN

API/UWI

Property Sub

Field Name

Open Formation

Spud Date

TD (max) (ftKB)

ID00020003

42-461-40594-0000

949805-008

SPRABERRY (TREND AREA)

WOLFCAMP A2 (WFMP A2)

8/23/2017

18,490.0

Job Category

Primary Job Type

Start Date

End Date

Job Status

Responsible Grp 2

ORIG COMPLETION

OCM

1/4/2018

IN PROGRESS

STIM ENG - WALKER DREWRY

Job Dates

Date

Type

Subtype

Note

MILESTONE

TURN OVER TO PRODUCTION

Date

Type

Subtype

Note

PLAN

STIMULATION END

Date

Type

Subtype

Note

PLAN

POST-STIM END

Date

Type

Subtype

Note

1/13/2018

MILESTONE

READY TO START (RTS)

Safety Checks

Time

Type

Des

Tour

Com

06:01

MEETING

PRE-TOUR

DAY

Discussed all roles, responsibilities and risk associated with each task that each vendor will be performing during the day shift.

06:02

MEETING

JSA

DAY

Reviewed and discussed all JSA'S

17:30

MEETING

PRE-TOUR

Night

Discussed all roles, responsibilities and risk associated with each task that each vendor will be performing during the day shift.

17:30

MEETING

JSA

NIGHT

Reviewed and discussed all JSA'S

Daily Contacts on Location

Contact Name

Title

Tour

Mobile

Alt Mobile #

Note

MOYERS, BENNY

SUPERVISOR

940-389-3334

940-255-8579

DALE, JAKE

ENGINEER

469-216-8039

MCDANIEL, DALE

DRILL OUT ENGINEER

214-287-1852

SHERRILL, BILL

SUPERINTENDE NT

432-208-6025

817-964-8889

KAUFFMAN, KURT

FOREMAN

DAY

713-203-1651

HOOD, LEN

FOREMAN

NIGHT

940-366-0402

STEWART, WILL

FOREMAN

NIGHT

580-301-9740

Personnel Log

Company

Count

REDZONE

10

SELECT ENERGY SERVICES LLC

10

RODS PRODUCTION SERVICE LLC

2

EMERALD SURF SCIENCES

5

CRESCENT DRILLING FOREMAN

2

Daily Operations

Operations at Report Time

Daily Goal Description

Daily Goal - Last 24

Finish rig up .

PLUGS DRILLED PER DAY

0.0

Operations Summary

Cont to rig down, Move off location and hand over to drillout Team

.  
MIRU Red Zone and support equipment. Finishing up Flare line , and filling tank up with water @ repoort time.

Next 24 Hours

Finish rig up, pressure test, drill out 20 plugs.

Operations Next Report Period

Drilll out opps

Remarks

No Accidents or incidents

Time Log

Start Time

End Time

Dur (hr)

Phase

Activity

Operation

Com

Ops Category

Prob Ref #

Prob Hrs (hr)

Frac Stage

06:00

12:00

6

STIM, POST OPS

SETUP

RURD

Cont to rig down all vendors and secure location.

NORMAL

12:00

18:00

6

POSTSTIM, PRE OPS

NONOPS

SHUT\_IN

Secure wells, Hand over to drillout team.

NORMAL

18:00

06:00

12

POSTSTIM, PRE OPS

COIL TUBING

CT\_RU

MIRU Red Zone, Falcon, Select and Emerl Surf.

NORMAL

Fluid Summary

Fluid

Cum to Well (bbl)

To well (bbl)

Cum from Well (bbl)

From well (bbl)

Left to recover (bbl)

DISPOSED

3,700.0

-3,700.0

WELL FLUID

480,160.0

482.0

479,678.0

Interval Problems

<Problem Type?>, <Problem Subtype?>, <Problem Description?>, <Start Date?>

Ref #

End Date

Dur (Net) (hr)

Excl...

Accountable Party

Est Cost (Cost)

Comment

Rigs

Contractor

Rig #

Start Date

RR Date

Rig Type

VAUGHN ENERGY SERVICES (VES)

1

1/4/2018 22:00

1/5/2018 19:00

WIRELINE

PIONEER PUMPING SERVICES

5

1/10/2018 06:00

2/5/2018 07:52

FRAC FLEET

REFINERY SPECIALTIES INC (RSI)

1

1/10/2018 06:00

2/5/2018 10:15

PUMP DOWN

CASED HOLE SOLUTIONS

1

1/11/2018 02:00

2/5/2018 10:15

WIRELINE

KEY ENERGY COIL

1/17/2018 12:30

1/18/2018 16:30

COIL TUBING

RED ZONE COIL TUBING

529

2/6/2018 18:00

COIL TUBING

Drill Strings

Drill String Name

Drill Bit

Date Pick Up

Date Out of Hole

Reason

DRILL OUT - COIL TUBING

4 5/8in, SWD-PDC-463-REG2, 171391

2/6/2018

Drill String Components

Item Des

Icon

OD (in)

Len (ft)

WELD ON COIL CONNECTOR

External Coil Connector

2.88

0.32

PIONEER  
NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job:

Report Date:

Report #:

AFE #:

Total AFE + Sup:

Cum Field Estimate:

Daily Field Estimate:

OCM

2/7/2018

34

043269;045375

\$5,101,753.00

\$4,727,945.92

\$100,605.00

Drill String Components

Item Des	Icon	OD (in)	Len (ft)
DUAL BACK PRESSURE VALVE	Dual Flapper Check Valve	2.88	1.94
JARS (BI-DIRECTIONAL)	Jars	2.88	5.00
DISCONNECT	Hydraulic Disconnect 1	2.88	2.13
DYNAMAX BYPASS SUB	Saver Sub 2	2.88	3.58
TEMPRESS SCREEN	Tell-tale screen	2.88	2.69
HYDRA PULL	Pull Tool	2.88	2.69
MOTOR	Motor 1	3.15	12.58
CROSS-OVER SUB (XO)	XO	4.63	1.00

DIESEL, DYED

Total Received 98,277.0	Total Consumed 98,277.0	Total Returned 0.0
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DIESEL, FUEL

Total Received 250.6	Total Consumed 250.6	Total Returned 0.0
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Stimulations Summary

Stim/Treat Company PIONEER PUMPING SERVICES	Diversion Company	Diversion Method COMPOSITE PLUG	Start Date 1/13/2018 12:00	End Date 2/5/2018 07:52	Job OCM, 1/4/2018 08:00
Number of Treatment Intervals 65	Design Number of Treatment Intervals 65	Volume Clean Total (bbl) 477,565.00	Proppant Total (lb) 19,659,525.0		

PIONEER

NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

FRAC FLEET / CREW #

Contractor

PIONEER PUMPING SERVICES

Rig #

5

Job:

Report Date:

Report #:

AFE #:

Total AFE + Sup:

Cum Field Estimate:

Daily Field Estimate:

OCM

2/8/2018

35

043269;045375

\$5,101,753.00

\$4,835,558.38

\$88,326.71

SSN

API/UWI

Property Sub

Field Name

Open Formation

Spud Date

TD (max) (ftKB)

ID00020003

42-461-40594-0000

949805-008

SPRABERRY (TREND AREA)

WOLFCAMP A2 (WFMP A2)

8/23/2017

18,490.0

Job Category

Primary Job Type

Start Date

End Date

Job Status

Responsible Grp 2

ORIG COMPLETION

OCM

1/4/2018

IN PROGRESS

STIM ENG - WALKER DREWRY

Job Dates

Date

Type

Subtype

Note

MILESTONE

TURN OVER TO PRODUCTION

Date

Type

Subtype

Note

PLAN

POST-STIM END

Date

Type

Subtype

Note

1/13/2018

MILESTONE

READY TO START (RTS)

Date

Type

Subtype

Note

2/6/2018

PLAN

STIMULATION END

Safety Checks

Time

Type

Des

Tour

Com

06:00

MEETING

PRE-TOUR

DAY

PJSM

18:00

MEETING

PRE-TOUR

NIGHT

PJSM, discuss trends in safety observations.

18:00

MEETING

JSA

NIGHT

Reviewed and discussed all JSA'S

Daily Contacts on Location

Contact Name

Title

Tour

Mobile

Alt Mobile #

Note

MOYERS, BENNY

SUPERVISOR

940-389-3334

940-255-8579

DALE, JAKE

ENGINEER

469-216-8039

MCDANIEL, DALE

DRILL OUT ENGINEER

214-287-1852

SHERRILL, BILL

SUPERINTENDE NT

432-208-6025

817-964-8889

KAUFFMAN, KURT

FOREMAN

DAY

713-203-1651

ARREDONDO, JAIME

FOREMAN

NIGHT

361-396-2173

ARMSTRONG, RANDY

SUPERINTENDE NT

432-301-0051

940-249-7281

Personnel Log

Company

Count

REDZONE

10

SELECT ENERGY SERVICES LLC

10

RODS PRODUCTION SERVICE LLC

2

EMERALD SURF SCIENCES

5

Daily Operations

Operations at Report Time

Daily Goal Description

Daily Goal - Last 24

Post Stim Ops.

PLUGS DRILLED PER DAY

20.0

Operations Summary

Completed RU and testing of all equipment. RIH and drill Plugs 67 thru 51, circulating bottoms up every 5 plugs. Due to having to run full open choke to maintain return rates.

EOT @ Report Time:

10860'

NPT:

0

Number Plugs Drilled:

17

#67 thru 51

Avg. Drill Time:

18 min

Avg. Time Between Plugs:

33 min

Avg. Pump Pressure:

3272 psi

Avg. Pump Rate:

4.1 BPM

Avg. Return Pressure

672 psi

Avg. Return Rate:

4.7 BPM

Avg. Torque:

850

Avg. RPM's :

490

Avg. Weight on bit:

1 K

Avg. Choke size:

Full Open

Avg. Plug Parts:

Small

Avg. Sand: Lite

Light

Avg. FR:

.18

Avg. Pipe-on-Pipe:

0

Avg. Flare:

None

Daily Goal Last 24 Hours:

Drill 20 CFP's

Daily Goal Next 24 Hours:

Drill 20 CFP's

Operations Next Report Period

Drillll out opps

Remarks

No Accidents or incidents

Time Log

Start Time

End Time

Dur (hr)

Phase

Activity

Operation

Com

Ops Category

Prob Ref #

Prob Hrs (hr)

Frac Stage

06:00

10:00

4

POSTSTIM, PRE OPS

COIL TUBING

CT\_RU

Cont Rig up, Support equipment, Fill the reel with 110 bbls TFW,

NORMAL

10:00

10:30

0.5

POSTSTIM, PRE OPS

COIL TUBING

CT\_BHA

Make Up BHA 2.88 OD Tool string with 4 5/8" TTS PDC 8mm Bit, Test on surface, 4 bpm/4500 psi, 5 bpm/ 5700 psi,

NORMAL

10:30

11:00

0.5

POSTSTIM, PRE OPS

TEST

TEST\_LINE

NU to the well, Break Cirrculation, Test lines to 7500 psi, Bleed off the lines, Open well RIH with M&M,

NORMAL

11:00

15:00

4

POSTSTIM, DRL OUT

COIL TUBING

CT\_PDOP

Drilled Thru plugs -67-66, kill plugs, Pressure equalized to 500 psi, Cont drilling on plugs,

NORMAL

15:00

16:25

1.433

POSTSTIM, DRL OUT

COIL TUBING

CT\_PDOP

Drilled plug # 65 RIH tag plug # 64 Pump Marker circulate BU to establish good rate and pressure.

NORMAL

16:25

19:51

3.42

POSTSTIM, DRL OUT

COIL TUBING

CT\_PDOP

Drillll CFP's 64 thru 60, RIH and tag CFO 59 @ 9655'.

NORMAL



**UNIVERSITY 3-310PU 8H**

Job:	OCM
Report Date:	2/8/2018
Report #:	35
AFE #:	043269;045375
Total AFE + Sup:	\$5,101,753.00
Cum Field Estimate:	\$4,835,558.38
Daily Field Estimate:	\$88,326.71

Report Date: 2/8/2018

Report #: 35

**AFE #:** 043269;045375

<b>Total AFE + Sup:</b>	<b>\$5,101,753.00</b>
-------------------------	-----------------------

**Cum Field Estimate: \$4,835,558.38**

**Daily Field Estimate: \$88,326.71**

## Time Log

Start Time	End Time	Dur (hr)	Phase	Activity	Operation	Com	Ops Category	Prob Ref #	Prob Hrs (hr)	Frac Stage
19:5 1	21:5 0	1.98 3	POSTSTIM, DRL OUT	COIL TUBING	CT_CIRC	Circulate 2 bottoms up above 59 while performing weight check.	NORMAL			
21:5 0	01:5 2	4.04	POSTSTIM, DRL OUT	COIL TUBING	CT_PDOP	Drill CFP's 59 thru 55, wash down to CFP 54 @ 10400'.	NORMAL			
01:5 2	03:1 0	1.3	POSTSTIM, DRL OUT	COIL TUBING	CT_CIRC	Circulate above CFP 54 while performing weight check.	NORMAL			
03:1 0	06:0 0	2.82 4	POSTSTIM, DRL OUT	COIL TUBING	CT_PDOP	Drill CFP's 54 thru 51, washing down to plug 50 at report time.	NORMAL			

## Fluid Summary

Fluid	Cum to Well (bbl)	To well (bbl)	Cum from Well (bbl)	From well (bbl)	Left to recover (bbl)
DISPOSED			3,700.0		-3,700.0
WELL FLUID	480,160.0		482.0		479,678.0

## Interval Problems

<Problem Type?>, <Problem Subtype?>, <Problem Description?>, <Start Date?>

Ref #	End Date	Dur (Net) (hr)	Excl...	Accountable Party	Est Cost (Cost)	Comment
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## Rigs

Contractor	Rig #	Start Date	RR Date	Rig Type
VAUGHN ENERGY SERVICES (VES)	1	1/4/2018 22:00	1/5/2018 19:00	WIRELINE
PIONEER PUMPING SERVICES	5	1/10/2018 06:00	2/5/2018 07:52	FRAC FLEET
REFINERY SPECIALTIES INC (RSI)	1	1/10/2018 06:00	2/5/2018 10:15	PUMP DOWN
CASED HOLE SOLUTIONS	1	1/11/2018 02:00	2/5/2018 10:15	WIRELINE
KEY ENERGY COIL		1/17/2018 12:30	1/18/2018 16:30	COIL TUBING
RED ZONE COIL TUBING	529	2/6/2018 18:00		COIL TUBING

## Drill Strings

Drill String Name	Drill Bit	Date Pick Up	Date Out of Hole	Reason
DRILL OUT - COIL TUBING	4 5/8in, SWD-PDC-463-REG2, 171391	2/7/2018		

## Drill String Components

Item Des	Icon	OD (in)	Len (ft)
WELD ON COIL CONNECTOR	External Coil Connector	2.88	0.32
DUAL BACK PRESSURE VALVE	Dual Flapper Check Valve	2.88	1.94
JARS (BI-DIRECTIONAL)	Jars	2.88	5.00
DISCONNECT	Hydraulic Disconnect 1	2.88	2.13
DYNAMAX BYPASS SUB	Saver Sub 2	2.88	3.58
TEMPRESS SCREEN	Tell-tale screen	2.88	2.69
HYDRA PULL	Pull Tool	2.88	2.69
MOTOR	Motor 1	3.15	12.58
CROSS-OVER SUB (XO)	XO	4.63	1.00

## DIESEL, DYED

Total Received	Total Consumed	Total Returned
98,277.0	98,277.0	0.0

## DIESEL, FUEL

Total Received 250.6	Total Consumed 250.6	Total Returned 0.0
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## Stimulations Summary

Stim/Treat Company <b>PIONEER PUMPING SERVICES</b>		Diversion Company		Diversion Method <b>COMPOSITE PLUG</b>		Start Date <b>1/13/2018 12:00</b>		End Date <b>2/5/2018 07:52</b>		Job <b>OCM, 1/4/2018 08:00</b>	
Number of Treatment Intervals <b>65</b>		Design Number of Treatment Intervals <b>65</b>		Volume Clean Total (bbl) <b>477,565.00</b>				Proppant Total (lb) <b>19,659,525.0</b>			

## Other In Hole

Des	OD (in)	Top (ftKB)	Btm (ftKB)	Pull Date	Plug Drill Out Duration (min)
FRAC PLUG	4.38	10,706.0	10,708.0	2/8/2018	16.00
FRAC PLUG	4.38	10,556.0	10,558.0	2/8/2018	14.00
FRAC PLUG	4.38	10,406.0	10,408.0	2/8/2018	11.00
FRAC PLUG	4.38	10,256.0	10,258.0	2/8/2018	16.00
FRAC PLUG	4.38	10,106.0	10,108.0	2/8/2018	18.00
FRAC PLUG	4.38	9,956.0	9,958.0	2/7/2018	15.00
FRAC PLUG	4.38	9,805.0	9,807.0	2/7/2018	11.00
FRAC PLUG	4.38	9,656.0	9,658.0	2/7/2018	15.00
FRAC PLUG	4.38	9,506.0	9,508.0	2/7/2018	25.00
FRAC PLUG	4.38	9,359.0	9,361.0	2/7/2018	18.00
FRAC PLUG	4.38	9,209.0	9,211.0	2/7/2018	0.00
FRAC PLUG	4.38	9,056.0	9,058.0	2/7/2018	6.00
FRAC PLUG	4.38	8,906.0	8,908.0	2/7/2018	7.00
FRAC PLUG	4.38	8,756.0	8,758.0	2/7/2018	14.00
BRIDGE PLUG	3.97	8,500.0	8,502.0	2/7/2018	54.00
BRIDGE PLUG	3.97	8,480.0	8,482.0	2/7/2018	21.00

PIONEER

NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

FRAC FLEET / CREW #

Contractor

PIONEER PUMPING SERVICES

Rig #

5

Job:

Report Date:

Report #:

AFE #:

Total AFE + Sup:

Cum Field Estimate:

Daily Field Estimate:

OCM

2/9/2018

36

043269;045375

\$5,101,753.00

\$4,921,543.59

\$85,985.21

SSN	API/UWI	Property Sub	Field Name	Open Formation	Spud Date	TD (max) (ftKB)				
ID00020003	42-461-40594-0000	949805-008	SPRABERRY (TREND AREA)	WOLFCAMP A2 (WFMP A2)	8/23/2017	18,490.0				
Job Category	Primary Job Type	Start Date	End Date	Job Status	Responsible Grp 2					
ORIG COMPLETION	OCM	1/4/2018		IN PROGRESS	STIM ENG - WALKER DREWRY					
Job Dates										
Date	Type	Subtype			Note					
	MILESTONE	TURN OVER TO PRODUCTION								
Date	Type	Subtype			Note					
1/13/2018	MILESTONE	READY TO START (RTS)								
Date	Type	Subtype			Note					
2/6/2018	PLAN	STIMULATION END								
Date	Type	Subtype			Note					
2/24/2018	PLAN	POST-STIM END								
Safety Checks										
Time	Type	Des	Tour	Com						
06:00	MEETING	PRE-TOUR	DAY	PJSM						
18:00	MEETING	JSA	NIGHT	Reviewed and discussed all JSA'S						
18:00	MEETING	PRE-TOUR	NIGHT	PJSM, discuss trends in safety observations.						
Daily Contacts on Location										
Contact Name		Title	Tour	Mobile	Alt Mobile #	Note				
MOYERS, BENNY		SUPERVISOR		940-389-3334	940-255-8579					
DALE, JAKE		ENGINEER		469-216-8039						
MCDANIEL, DALE		DRILL OUT ENGINEER		214-287-1852						
SHERRILL, BILL		SUPERINTENDE NT		432-208-6025	817-964-8889					
KAUFFMAN, KURT		FOREMAN	DAY	713-203-1651						
ARREDONDO, JAIME		FOREMAN	NIGHT	361-396-2173						
ARMSTRONG, RANDY		SUPERINTENDE NT		432-301-0051	940-249-7281					
Personnel Log										
Company					Count					
REDZONE					10					
SELECT ENERGY SERVICES LLC					10					
RODS PRODUCTION SERVICE LLC					2					
EMERALD SURF SCIENCES					5					
Daily Operations										
Operations at Report Time				Daily Goal Description		Daily Goal - Last 24				
Post Stim Ops.				PLUGS DRILLED PER DAY		20.0				
Operations Summary										
Drilled plugs 50-26, circulating bottoms up every 5 plugs, performed short trip. Utilize N2 for bottoms up and short trip to assist in debris lift for wellbore cleanup. Drilling plug 25 at report time.										
EOT @ Report Time: 14742'										
NPT: 0										
Number Plugs Drilled: 25										
Avg. Drill Time: 14 min										
Avg. Time Between Plugs: 26 min										
Avg. Pump Pressure: 3307 psi										
Avg. Pump Rate: 4.4 BPM										
Avg. Return Pressure 156 psi										
Avg. Return Rate: 3.9 BPM										
Avg. Torque: 850										
Avg. RPM's : 490										
Avg. Weight on bit: 1 K										
Avg. Choke size: Full Open										
Avg. Plug Parts: Small										
Avg. Sand: Lite Light										
Avg. FR: .15										
Avg. Pipe-on-Pipe: 0										
Avg. Flare: None										
Daily Goal Last 24 Hours: Drill 20 CFP's										
Daily Goal Next 24 Hours: Drill 20 CFP's										
Operations Next Report Period										
Drillll out opps										
Remarks										
No Accidents or incidents										
Time Log										
Start Time	End Time	Dur (hr)	Phase	Activity	Operation	Com	Ops Category	Prob Ref #	Prob Hrs (hr)	Frac Stage
06:00	07:00	1	POSTSTIM, DRL OUT	COIL TUBING	CT_PDOP	Drilled plug # 51-50 Curculated BU	NORMAL			
07:00	07:45	0.75	POSTSTIM, DRL OUT	COIL TUBING	CT_CIRC	Circulated BU @ 4 bpm 2900 psi, 4 bpm on returns, 150 psi	NORMAL			
07:45	10:30	2.75	POSTSTIM, DRL OUT	COIL TUBING	CT_PDOP	Drilled plug # 49-44 RIh tag plug #43	NORMAL			
10:30	11:15	0.75	POSTSTIM, DRL OUT	COIL TUBING	CT_CIRC	Circulated BU @ 4 bpm 2900 psi, 4 bpm on returns, 150 psi	NORMAL			
11:15	14:00	2.75	POSTSTIM, DRL OUT	COIL TUBING	CT_PDOP	Drilled plugs # 43-38 tagged plug # 37	NORMAL			
14:00	14:45	0.75	POSTSTIM, DRL OUT	COIL TUBING	CT_CIRC	Circulated BU @ 4 bpm 2900 psi, 4 bpm on returns, 150 psi,	NORMAL			
14:45	16:45	2	POSTSTIM, DRL OUT	COIL TUBING	CT_PDOP	Drilled plugs # 37-35 tagged plug # 34	NORMAL			
16:45	19:04	2.33	POSTSTIM, DRL OUT	COIL TUBING	CT_TRIP	Short trip Off Plug # 34, pulled up to 7750'	NORMAL			

Job:	OCM
Report Date:	2/9/2018
Report #:	36
AFE #:	043269;045375
Total AFE + Sup:	\$5,101,753.00
Cum Field Estimate:	\$4,921,543.59
Daily Field Estimate:	\$85,985.21

PIONEER  
NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job:

Report Date:

Report #:

AFE #:

Total AFE + Sup:

Cum Field Estimate:

Daily Field Estimate:

OCM

2/9/2018

36

043269;045375

\$5,101,753.00

\$4,921,543.59

\$85,985.21

Other In Hole

Des	OD (in)	Top (ftKB)	Btm (ftKB)	Pull Date	Plug Drill Out Duration (min)
FRAC PLUG	4.38	11,159.0	11,161.0	2/8/2018	11.00
FRAC PLUG	4.38	11,006.0	11,008.0	2/8/2018	9.00

PIONEER

NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job:

Report Date:

Report #:

AFE #:

Total AFE + Sup:

Cum Field Estimate:

Daily Field Estimate:

OCM

2/10/2018

37

043269;045375

\$5,101,753.00

\$5,015,047.60

\$93,504.01

SSN

API/UWI

Property Sub

Field Name

Open Formation

Spud Date

TD (max) (ftKB)

ID00020003

42-461-40594-0000

949805-008

SPRABERRY (TREND AREA)

WOLFCAMP A2 (WFMP A2)

8/23/2017

18,490.0

Job Category

Primary Job Type

Start Date

End Date

Job Status

Responsible Grp 2

ORIG COMPLETION

OCM

1/4/2018

IN PROGRESS

STIM ENG - WALKER DREWRY

Job Dates

Date

Type

Subtype

Note

1/13/2018

MILESTONE

TURN OVER TO PRODUCTION

2/6/2018

MILESTONE

READY TO START (RTS)

2/24/2018

PLAN

STIMULATION END

2/24/2018

PLAN

POST-STIM END

Safety Checks

Time

Type

Des

Tour

Com

06:00

MEETING

PRE-TOUR

DAY

PJSM

18:00

MEETING

PRE-TOUR

NIGHT

PJSM, discuss trends in safety observations.

18:00

MEETING

JSA

NIGHT

Reviewed and discussed all JSA'S

Daily Contacts on Location

Contact Name

Title

Tour

Mobile

Alt Mobile #

Note

MOYERS, BENNY

SUPERVISOR

940-389-3334

940-255-8579

DALE, JAKE

ENGINEER

469-216-8039

MCDANIEL, DALE

DRILL OUT ENGINEER

214-287-1852

SHERRILL, BILL

SUPERINTENDE NT

432-208-6025

817-964-8889

KAUFFMAN, KURT

FOREMAN

DAY

713-203-1651

ARREDONDO, JAIME

FOREMAN

NIGHT

361-396-2173

ARMSTRONG, RANDY

SUPERINTENDE NT

432-301-0051

940-249-7281

Personnel Log

Company

Count

REDZONE

10

SELECT ENERGY SERVICES LLC

10

RODS PRODUCTION SERVICE LLC

2

EMERALD SURF SCIENCES

5

Daily Operations

Operations at Report Time

Daily Goal Description

Daily Goal - Last 24

Post Stim Ops.

PLUGS DRILLED PER DAY

Operations Summary

Drilled plugs 25-10, circulating bottoms up every 5 plugs. Utilize N2 for bottoms up and short trip to assist in debris lift for wellbore cleanup. Drilled out plug 10 and got 8 foot past and working on plug stump and lost motor action for an hour. Starting N2 @ 300 SCFM x 5 BPM to circulate bottoms up out of hole to clean. Then POOH for BHA check. OOH at report time rigging off well.

EOT @ Report Time:

Surface

NPT:

0

Number Plugs Drilled:

16

Avg. Drill Time:

11 min

Avg. Time Between Plugs:

30 min

Avg. Pump Pressure:

4079 psi

Avg. Pump Rate:

5 BPM

Avg. Return Pressure

96 psi

Avg. Return Rate:

4.1 BPM

Avg. Torque:

850

Avg. RPM's :

490

Avg. Weight on bit:

1 K

Avg. Choke size:

Full Open

Avg. Plug Parts:

Small

Avg. Sand: Lite

Light

Avg. FR:

.10

Avg. Pipe-on-Pipe:

.30

Avg. Flare:

None

Daily Goal Last 24 Hours:

Drill 20 CFP's

Daily Goal Next 24 Hours:

Drill 20 CFP's

Operations Next Report Period

Drillll out opps

Remarks

No Accidents or incidents

Time Log

Start Time

End Time

Dur (hr)

Phase

Activity

Operation

Com

Ops Category

Prob Ref #

Prob Hrs (hr)

Frac Stage

06:00

06:30

0.5

POSTSTIM, DRL OUT

COIL TUBING

CT\_PDOP

Drilled plug # 25 Rlh tag plug # 24

NORMAL

06:30

07:30

1

POSTSTIM, DRL OUT

COIL TUBING

CT\_CIRC

Circulate BU pumping smoke,

NORMAL

07:30

10:30

3

POSTSTIM, DRL OUT

COIL TUBING

CT\_PDOP

Drilled plugs 24-20 rih tag Plug # 19

NORMAL

10:30

11:30

1

POSTSTIM, DRL OUT

COIL TUBING

CT\_CIRC

Circulate BU pumping smoke,

NORMAL

11:30

14:30

3

POSTSTIM, DRL OUT

COIL TUBING

CT\_PDOP

Drill plugs 19-15 Rih tag plug # 14

NORMAL

14:30

15:30

1

POSTSTIM, DRL OUT

COIL TUBING

CT\_CIRC

Circulate BU pumping smoke,

NORMAL

15:30

17:30

2

POSTSTIM, DRL OUT

COIL TUBING

CT\_PDOP

Drill plugs # 14-12 Rlh tag plug # 11

NORMAL

PIONEER

NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job:

Report Date:

Report #:

AFE #:

Total AFE + Sup:

Cum Field Estimate:

Daily Field Estimate:

OCM

2/10/2018

37

043269;045375

\$5,101,753.00

\$5,015,047.60

\$93,504.01

Time Log

Start Time	End Time	Dur (hr)	Phase	Activity	Operation	Com	Ops Category	Prob Ref #	Prob Hrs (hr)	Frac Stage
17:30	18:30	1	POSTSTIM, DRL OUT	COIL TUBING	CT_CIRC	Circulate BU pumping smoke,	NORMAL			
18:30	23:15	4.75	POSTSTIM, DRL OUT	COIL TUBING	CT_PDOP	Drill plugs 11 thru 10. Lost motor action and no progress of RIH, believe BHA may have become non-functional. Start N2 at 300 SCFM x 5 BPM to facilitate clean up of wellbore and cause turbulent action to assist in sand carry OOH.	NORMAL			
23:15	06:00	6.75	POSTSTIM, DRL OUT	COIL TUBING	CT_POOH	POOH from 17808', pumping 5 BPM x 300 SCFM N2. CT OOH at report time, rigging off well to change BHA.	NORMAL			

Fluid Summary

Fluid	Cum to Well (bbl)	To well (bbl)	Cum from Well (bbl)	From well (bbl)	Left to recover (bbl)
DISPOSED			3,700.0		-3,700.0
WELL FLUID	480,160.0		482.0		479,678.0

Interval Problems

<Problem Type?>, <Problem Subtype?>, <Problem Description?>, <Start Date?>

Ref #	End Date	Dur (Net) (hr)	Excl....	Accountable Party	Est Cost (Cost)	Comment
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Rigs

Contractor	Rig #	Start Date	RR Date	Rig Type
VAUGHN ENERGY SERVICES (VES)	1	1/4/2018 22:00	1/5/2018 19:00	WIRELINE
PIONEER PUMPING SERVICES	5	1/10/2018 06:00	2/5/2018 07:52	FRAC FLEET
REFINERY SPECIALTIES INC (RSI)	1	1/10/2018 06:00	2/5/2018 10:15	PUMP DOWN
CASED HOLE SOLUTIONS	1	1/11/2018 02:00	2/5/2018 10:15	WIRELINE
KEY ENERGY COIL		1/17/2018 12:30	1/18/2018 16:30	COIL TUBING
RED ZONE COIL TUBING	529	2/6/2018 18:00		COIL TUBING

Drill Strings

Drill String Name	Drill Bit	Date Pick Up	Date Out of Hole	Reason
DRILL OUT - COIL TUBING	4 5/8in, SWD-PDC-463-REG2, 171391	2/7/2018		

Drill String Components

Item Des	Icon	OD (in)	Len (ft)
WELD ON COIL CONNECTOR	External Coil Connector	2.88	0.32
DUAL BACK PRESSURE VALVE	Dual Flapper Check Valve	2.88	1.94
JARS (BI-DIRECTIONAL)	Jars	2.88	5.00
DISCONNECT	Hydraulic Disconnect 1	2.88	2.13
DYNAMAX BYPASS SUB	Saver Sub 2	2.88	3.58
TEMPRESS SCREEN	Tell-tale screen	2.88	2.69
HYDRA PULL	Pull Tool	2.88	2.69
MOTOR	Motor 1	3.15	12.58
CROSS-OVER SUB (XO)	XO	4.63	1.00

DIESEL, DYED

Total Received	Total Consumed	Total Returned
98,277.0	98,277.0	0.0

DIESEL, FUEL

Total Received	Total Consumed	Total Returned
250.6	250.6	0.0

Stimulations Summary

Stim/Treat Company	Diversion Company	Diversion Method	Start Date	End Date	Job
PIONEER PUMPING SERVICES		COMPOSITE PLUG	1/13/2018 12:00	2/5/2018 07:52	OCM, 1/4/2018 08:00

Number of Treatment Intervals	Design Number of Treatment Intervals	Volume Clean Total (bbl)	Proppant Total (lb)
65	65	477,565.00	19,659,525.0

Other In Hole

Des	OD (in)	Top (ftKB)	Btm (ftKB)	Pull Date	Plug Drill Out Duration (min)
FRAC PLUG	4.38	17,006.0	17,008.0	2/9/2018	7.00
FRAC PLUG	4.38	16,856.0	16,858.0	2/9/2018	8.00
FRAC PLUG	4.38	16,706.0	16,708.0	2/9/2018	11.00
FRAC PLUG	4.38	16,556.0	16,558.0	2/9/2018	15.00
FRAC PLUG	4.38	16,406.0	16,408.0	2/9/2018	15.00
FRAC PLUG	4.38	16,256.0	16,258.0	2/9/2018	10.00
FRAC PLUG	4.38	16,106.0	16,108.0	2/9/2018	15.00
FRAC PLUG	4.38	15,956.0	15,958.0	2/9/2018	16.00
FRAC PLUG	4.38	15,806.0	15,808.0	2/9/2018	19.00
FRAC PLUG	4.38	15,656.0	15,658.0	2/9/2018	8.00
FRAC PLUG	4.38	15,506.0	15,508.0	2/9/2018	11.00
FRAC PLUG	4.38	15,356.0	15,358.0	2/9/2018	14.00
FRAC PLUG	4.38	15,206.0	15,208.0	2/9/2018	7.00
FRAC PLUG	4.38	15,056.0	15,058.0	2/9/2018	18.00
FRAC PLUG	4.38	14,906.0	14,908.0	2/9/2018	10.00
FRAC PLUG	4.38	14,756.0	14,758.0	2/9/2018	14.00

PIONEER

NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job:

Report Date:

Report #:

AFE #:

Total AFE + Sup:

Cum Field Estimate:

Daily Field Estimate:

OCM

2/11/2018

38

043269;045375

\$5,101,753.00

\$5,110,954.75

\$95,907.15

SSN

API/UWI

Property Sub

Field Name

Open Formation

Spud Date

TD (max) (ftKB)

ID00020003

42-461-40594-0000

949805-008

SPRABERRY (TREND AREA)

WOLFCAMP A2 (WFMP A2)

8/23/2017

18,490.0

Job Category

Primary Job Type

Start Date

End Date

Job Status

Responsible Grp 2

ORIG COMPLETION

OCM

1/4/2018

IN PROGRESS

STIM ENG - WALKER DREWRY

Job Dates

Date

Type

Subtype

Note

MILESTONE

TURN OVER TO PRODUCTION

Date

Type

Subtype

Note

1/13/2018

MILESTONE

READY TO START (RTS)

Date

Type

Subtype

Note

2/6/2018

PLAN

STIMULATION END

Date

Type

Subtype

Note

2/24/2018

PLAN

POST-STIM END

Safety Checks

Time

Type

Des

Tour

Com

06:00

MEETING

PRE-TOUR

DAY

PJSM

18:00

MEETING

PRE-TOUR

NIGHT

PJSM, discuss trends in safety observations.

18:00

MEETING

JSA

NIGHT

Reviewed and discussed all JSA'S

Daily Contacts on Location

Contact Name

Title

Tour

Mobile

Alt Mobile #

Note

MOYERS, BENNY

SUPERVISOR

940-389-3334

940-255-8579

DALE, JAKE

ENGINEER

469-216-8039

MCDANIEL, DALE

DRILL OUT ENGINEER

214-287-1852

SHERRILL, BILL

SUPERINTENDE NT

432-208-6025

817-964-8889

KAUFFMAN, KURT

FOREMAN

DAY

713-203-1651

ARREDONDO, JAIME

FOREMAN

NIGHT

361-396-2173

ARMSTRONG, RANDY

SUPERINTENDE NT

432-301-0051

940-249-7281

Personnel Log

Company

Count

REDZONE

10

SELECT ENERGY SERVICES LLC

10

RODS PRODUCTION SERVICE LLC

2

EMERALD SURF SCIENCES

5

Daily Operations

Operations at Report Time

Daily Goal Description

Daily Goal - Last 24

Drillll out opps

PLUGS DRILLED PER DAY

9.0

Operations Summary

Finished POOH, test motor on surface, Found Motor to be locked up, Made up new BHA and tested. NU and test to 7000 psi. RIH drill CFP 9 thru 2, wash down to plug 1, circulate bottoms up with N2 @ 300 SCFM x 5 BPM to facilitate efficient well bore clean up. POOH from 18365'.

EOT @ Report Time:

14490'

NPT:

0

Number Plugs Drilled:

8

Avg. Drill Time:

10 min

Avg. Time Between Plugs:

82 min

Avg. Pump Pressure:

3358 psi

Avg. Pump Rate:

4.5 BPM

Avg. Return Pressure

108 psi

Avg. Return Rate:

4.1 BPM

Avg. Torque:

850

Avg. RPM's :

490

Avg. Weight on bit:

1 K

Avg. Choke size:

Full Open

Avg. Plug Parts:

Small

Avg. Sand:

Light

Avg. FR:

.10

Avg. Pipe-on-Pipe:

.50

Avg. Flare:

None

Daily Goal Last 24 Hours:

Drill 8 CFP's

Daily Goal Next 24 Hours:

POOH, RD Move to 7H

Operations Next Report Period

Drillll out opps

Remarks

No Accidents or incidents

Time Log

Start Time

End Time

Dur (hr)

Phase

Activity

Operation

Com

Ops Category

Prob Ref #

Prob Hrs (hr)

Frac Stage

06:00

07:00

1

POSTSTIM, DRL OUT

COIL TUBING

CT\_POOH

Finished POOH, SWI w/ 400 psi,

NORMAL

07:00

09:00

2

POSTSTIM, DRL OUT

COIL TUBING

CT\_BHA

Tetsted Motor on surface, Motor was found to be locked up Pumping 5 bpm,, ND all tools, Made new BHA, NU to well

NORMAL

09:00

09:30

0.5

POSTSTIM, DRL OUT

COIL TUBING

CT\_PDOP

Test Lines 7500 , Open well RIH

NORMAL

09:30

03:10

17.67

POSTSTIM, DRL OUT

COIL TUBING

CT\_PDOP

Drill Plugs 9 thru 2, wash down to plug 1. Didnt drillout 1 due to no perms below.

NORMAL

03:10

04:19

1.16

POSTSTIM, DRL OUT

COIL TUBING

CT\_CIRC

Circulate bottoms up. Pumping N2 @ 300 SCFM X 5 BPM.

NORMAL

04:19

06:00

1.67

POSTSTIM, DRL OUT

COIL TUBING

CT\_POOH

POOH.

NORMAL

Fluid Summary

Fluid

Cum to Well (bbl)

To well (bbl)

Cum from Well (bbl)

From well (bbl)

Left to recover (bbl)

DISPOSED

3,700.0

-3,700.0

PIONEER

NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job:

Report Date:

Report #:

AFE #:

Total AFE + Sup:

Cum Field Estimate:

Daily Field Estimate:

OCM

2/11/2018

38

043269;045375

\$5,101,753.00

\$5,110,954.75

\$95,907.15

Fluid Summary

Fluid	Cum to Well (bbl)	To well (bbl)	Cum from Well (bbl)	From well (bbl)	Left to recover (bbl)
WELL FLUID	480,160.0		482.0		479,678.0

Interval Problems

<Problem Type?>, <Problem Subtype?>, <Problem Description?>, <Start Date?>

Ref #	End Date	Dur (Net) (hr)	Excl...	Accountable Party	Est Cost (Cost)	Comment
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Rigs

Contractor	Rig #	Start Date	RR Date	Rig Type
VAUGHN ENERGY SERVICES (VES)	1	1/4/2018 22:00	1/5/2018 19:00	WIRELINE
PIONEER PUMPING SERVICES	5	1/10/2018 06:00	2/5/2018 07:52	FRAC FLEET
REFINERY SPECIALTIES INC (RSI)	1	1/10/2018 06:00	2/5/2018 10:15	PUMP DOWN
CASED HOLE SOLUTIONS	1	1/11/2018 02:00	2/5/2018 10:15	WIRELINE
KEY ENERGY COIL		1/17/2018 12:30	1/18/2018 16:30	COIL TUBING
RED ZONE COIL TUBING	529	2/6/2018 18:00		COIL TUBING

Drill Strings

Drill String Name	Drill Bit	Date Pick Up	Date Out of Hole	Reason
DRILL OUT - COIL TUBING	4 5/8in, SWD-PDC-463-REG2, 171391	2/7/2018	2/10/2018	MOTOR

Drill String Components

Item Des	Icon	OD (in)	Len (ft)
WELD ON COIL CONNECTOR	External Coil Connector	2.88	0.32
DUAL BACK PRESSURE VALVE	Dual Flapper Check Valve	2.88	1.94
JARS (BI-DIRECTIONAL)	Jars	2.88	5.00
DISCONNECT	Hydraulic Disconnect 1	2.88	2.13
DYNAMAX BYPASS SUB	Saver Sub 2	2.88	3.58
TEMPRESS SCREEN	Tell-tale screen	2.88	2.69
HYDRA PULL	Pull Tool	2.88	2.69
MOTOR	Motor 1	3.15	12.58
CROSS-OVER SUB (XO)	XO	4.63	1.00

Drill String Name

Drill Bit

Date Pick Up

Date Out of Hole

Reason

Drill String Components

Item Des	Icon	OD (in)	Len (ft)
WELD ON COIL CONNECTOR	External Coil Connector	2.88	0.32
DUAL BACK PRESSURE VALVE	Dual Flapper Check Valve	2.88	1.94
JARS (BI-DIRECTIONAL)	Jars	2.88	5.00
DISCONNECT	Hydraulic Disconnect 1	2.88	2.13
DYNAMAX BYPASS SUB	Saver Sub 2	2.88	3.58
TEMPRESS SCREEN	Tell-tale screen	2.88	2.69
HYDRA PULL	Pull Tool	2.88	2.69
MOTOR	Motor 1	3.15	12.58
CROSS-OVER SUB (XO)	XO	4.63	1.00

DIESEL, DYED

Total Received	Total Consumed	Total Returned
98,277.0	98,277.0	0.0

DIESEL, FUEL

Total Received	Total Consumed	Total Returned
250.6	250.6	0.0

Stimulations Summary

Stim/Treat Company	Diversion Company	Diversion Method	Start Date	End Date	Job
PIONEER PUMPING SERVICES		COMPOSITE PLUG	1/13/2018 12:00	2/5/2018 07:52	OCM, 1/4/2018 08:00
Number of Treatment Intervals	Design Number of Treatment Intervals	Volume Clean Total (bbl)	Proppant Total (lb)		
65	65	477,565.00	19,659,525.0		

Other In Hole

Des	OD (in)	Top (ftKB)	Btm (ftKB)	Pull Date	Plug Drill Out Duration (min)
FRAC PLUG	4.38	18,356.0	18,358.0	2/11/2018	0.00
FRAC PLUG	4.38	18,206.0	18,208.0	2/11/2018	10.00
FRAC PLUG	4.38	18,056.0	18,058.0	2/11/2018	6.00
FRAC PLUG	4.38	17,906.0	17,908.0	2/10/2018	9.00
FRAC PLUG	4.38	17,756.0	17,758.0	2/10/2018	12.00
FRAC PLUG	4.38	17,606.0	17,608.0	2/10/2018	11.00
FRAC PLUG	4.38	17,456.0	17,458.0	2/10/2018	7.00
FRAC PLUG	4.38	17,306.0	17,308.0	2/10/2018	9.00
FRAC PLUG	4.38	17,156.0	17,158.0	2/10/2018	17.00

PIONEER

NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

FRAC FLEET / CREW #

Contractor

PIONEER PUMPING SERVICES

Rig #

5

Job:

Report Date:

Report #:

AFE #:

Total AFE + Sup:

Cum Field Estimate:

Daily Field Estimate:

OCM

2/12/2018

39

043269;045375

\$5,101,753.00

\$5,241,483.12

\$130,528.37

SSN

API/UWI

Property Sub

Field Name

Open Formation

Spud Date

TD (max) (ftKB)

ID00020003

42-461-40594-0000

949805-008

SPRABERRY (TREND AREA)

WOLFCAMP A2 (WFMP A2)

8/23/2017

18,490.0

Job Category

Primary Job Type

Start Date

End Date

Job Status

Responsible Grp 2

ORIG COMPLETION

OCM

1/4/2018

IN PROGRESS

STIM ENG - WALKER DREWRY

Job Dates

Date

Type

Subtype

Note

1/13/2018

MILESTONE

TURN OVER TO PRODUCTION

2/6/2018

MILESTONE

READY TO START (RTS)

2/24/2018

PLAN

STIMULATION END

2/24/2018

PLAN

POST-STIM END

Safety Checks

Time

Type

Des

Tour

Com

06:00

MEETING

PRE-TOUR

DAY

PJSM

Daily Contacts on Location

Contact Name

Title

Tour

Mobile

Alt Mobile #

Note

MOYERS, BENNY

SUPERVISOR

940-389-3334

940-255-8579

DALE, JAKE

ENGINEER

469-216-8039

MCDANIEL, DALE

DRILL OUT ENGINEER

214-287-1852

SHERRILL, BILL

SUPERINTENDE NT

432-208-6025

817-964-8889

KAUFFMAN, KURT

FOREMAN

DAY

713-203-1651

ARREDONDO, JAIME

FOREMAN

NIGHT

361-396-2173

ARMSTRONG, RANDY

SUPERINTENDE NT

432-301-0051

940-249-7281

Personnel Log

Company

Count

REDZONE

10

SELECT ENERGY SERVICES LLC

10

RODS PRODUCTION SERVICE LLC

2

EMERALD SURF SCIENCES

5

Daily Operations

Operations at Report Time

Daily Goal Description

Daily Goal - Last 24

Drillll out opps

Operations Summary

POOH to surface, All tools OOH, LD B HA, RDMO CTU and Support Equipment, MOve on next well, Wait on Tube Up,.

Next 24 hr Goal: Wait on Tube Up

Operations Next Report Period

Post DO Ops

Remarks

No Accidents or incidents

Time Log

Start Time

End Time

Dur (hr)

Phase

Activity

Operation

Com

Ops Category

Prob Ref #

Prob Hrs (hr)

Frac Stage

06:00

12:00

6

POSTSTIM, DRL OUT

COIL TUBING

CT\_POOH

Continue to POOH w/ coil, Shut Smoke Off @ the KO, Cont. OOH.

NORMAL

12:00

13:00

1

POSTSTIM, POST DO

COIL TUBING

CT\_BHA

Coil on Surface, SWI 250 psi, ND Off the Tree , LD BHA,

NORMAL

13:00

15:00

2

POSTSTIM, POST DO

COIL TUBING

CT\_RD

RDMO CTU and Support Equipment , Move on next well,

NORMAL

15:00

06:00

15

POSTSTIM, POST DO

NONOPS

SHUT\_IN

WSI- Wait on tube up.

NORMAL

Fluid Summary

Fluid

Cum to Well (bbl)

To well (bbl)

Cum from Well (bbl)

From well (bbl)

Left to recover (bbl)

DISPOSED

3,700.0

-3,700.0

WELL FLUID

480,160.0

482.0

479,678.0

Interval Problems

<Problem Type?>, <Problem Subtype?>, <Problem Description?>, <Start Date?>

Ref #

End Date

Dur (Net) (hr)

Excl...

Accountable Party

Est Cost (Cost)

Comment

Rigs

Contractor

Rig #

Start Date

RR Date

Rig Type

VAUGHN ENERGY SERVICES (VES)

1

1/4/2018 22:00

1/5/2018 19:00

WIRELINE

PIONEER PUMPING SERVICES

5

1/10/2018 06:00

2/5/2018 07:52

FRAC FLEET

REFINERY SPECIALTIES INC (RSI)

1

1/10/2018 06:00

2/5/2018 10:15

PUMP DOWN

CASED HOLE SOLUTIONS

1

1/11/2018 02:00

2/5/2018 10:15

WIRELINE

KEY ENERGY COIL

1/17/2018 12:30

1/18/2018 16:30

COIL TUBING

RED ZONE COIL TUBING

529

2/6/2018 18:00

2/11/2018 15:00

COIL TUBING

Drill Strings

Drill String Name

Drill Bit

Date Pick Up

Date Out of Hole

Reason

DRILL OUT - COIL TUBING

4 5/8in, SWD-PDC-463-REG2, 171391

2/10/2018

2/11/2018

PBTD

Drill String Components

Item Des

Icon

OD (in)

Len (ft)

WELD ON COIL CONNECTOR

External Coil Connector

2.88

0.32

DUAL BACK PRESSURE VALVE

Dual Flapper Check Valve

2.88

1.94

JARS (BI-DIRECTIONAL)

Jars

2.88

5.00

PIONEER  
NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job:

Report Date:

Report #:

AFE #:

Total AFE + Sup:

Cum Field Estimate:

Daily Field Estimate:

OCM

2/12/2018

39

043269;045375

\$5,101,753.00

\$5,241,483.12

\$130,528.37

Drill String Components

Item Des	Icon	OD (in)	Len (ft)
DISCONNECT	Hydraulic Disconnect 1	2.88	2.13
DYNAMAX BYPASS SUB	Saver Sub 2	2.88	3.58
TEMPRESS SCREEN	Tell-tale screen	2.88	2.69
HYDRA PULL	Pull Tool	2.88	2.69
MOTOR	Motor 1	3.15	12.58
CROSS-OVER SUB (XO)	XO	4.63	1.00

DIESEL, DYED

Total Received 98,277.0	Total Consumed 98,277.0	Total Returned 0.0
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DIESEL, FUEL

Total Received 250.6	Total Consumed 250.6	Total Returned 0.0
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Stimulations Summary

Stim/Treat Company PIONEER PUMPING SERVICES	Diversion Company	Diversion Method COMPOSITE PLUG	Start Date 1/13/2018 12:00	End Date 2/5/2018 07:52	Job OCM, 1/4/2018 08:00
Number of Treatment Intervals 65	Design Number of Treatment Intervals 65	Volume Clean Total (bbl) 477,565.00	Proppant Total (lb) 19,659,525.0		

PIONEER

NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job:

Report Date:

Report #:

AFE #:

Total AFE + Sup:

Cum Field Estimate:

Daily Field Estimate:

OCM

2/19/2018

40

043269;045375

\$5,101,753.00

\$5,413,602.85

\$139,132.68

SSN

API/UWI

Property Sub

Field Name

Open Formation

Spud Date

TD (max) (ftKB)

ID00020003

42-461-40594-0000

949805-008

SPRABERRY (TREND AREA)

WOLFCAMP A2 (WFMP A2)

8/23/2017

18,490.0

Job Category

Primary Job Type

Start Date

End Date

Job Status

Responsible Grp 2

ORIG COMPLETION

OCM

1/4/2018

IN PROGRESS

STIM ENG - WALKER DREWRY

Job Dates

Date

Type

Subtype

Note

1/13/2018

MILESTONE

TURN OVER TO PRODUCTION

2/6/2018

MILESTONE

READY TO START (RTS)

2/24/2018

PLAN

STIMULATION END

2/24/2018

PLAN

POST-STIM END

Safety Checks

Time

Type

Des

Tour

Com

12:00

MEETING

PRE-TOUR

DAY

Discuss proper PPE, safe RU operations, & stop work authority. Using spotters when backing equipment, forklift safety, & overhead loads.

12:00

MEETING

JSA

DAY

PJSM

18:00

MEETING

JSA

NIGHT

Reviewed and discussed all JSA'S

18:00

MEETING

PRE-TOUR

NIGHT

Discuss proper PPE, safe RU operations, & stop work authority. Using spotters when backing equipment, forklift safety, & overhead loads.

Daily Contacts on Location

Contact Name

Title

Tour

Mobile

Alt Mobile #

Note

MOYERS, BENNY

SUPERVISOR

940-389-3334

940-255-8579

DALE, JAKE

ENGINEER

469-216-8039

MCDANIEL, DALE

DRILL OUT ENGINEER

214-287-1852

ARMSTRONG, RANDY

SUPERINTENDE NT

432-301-0051

940-249-7281

COOK, JOSH

FOREMAN

DAY

817-694-1699

FLAUGHER, ALLEN

FOREMAN

NIGHT

817-629-3617

Personnel Log

Company

Count

EAGLE COMPLETIONS USA LTD

10

PIONEER NATURAL RESOURCES USA INC

2

Daily Operations

Operations at Report Time

Daily Goal Description

Daily Goal - Last 24

MIRU Eagle WSU #208, RIH w/ production tbg

Operations Summary

SICP- 300 psi, RU Red Bone reverse pump, pump 220 bbls of 10 lb brine water mixed with packer fluid to kill well. Spot rig beam, MIRU Eagle WSU #208, ND upper frac valve, NU BOP stack. Test BOP, 500 psi low, 4500 psi high, test annular BOP, 500 psi low, 2500 psi high, all good tests. Spot pipe racks & laydown machine, rack & tally 2 7/8" production tbg. MIRU Sage Rider, Flo Cap, & Flowco. P/U AS-3 tubing set packer. RIH with Sagerider and Flocap capillary string.RIH with 245 jts,(EOT @ 8,201.47'). Set packer with 15k compression. N/D bop.

Daily goals last 24 hrs.- Land production tbg, ND stack, NU production tree & test, RD Eagle WSU #208, TOTP.

Daily goals next 24 hrs.- N/U and test production tree. Rig down Eagle rig and TOTP

Operations Next Report Period

Finish RIH w/ production tbg, TOTP

Remarks

No Accidents or incidents

Time Log

Start Time

End Time

Dur (hr)

Phase

Activity

Operation

Com

Ops Category

Prob Ref #

Prob Hrs (hr)

Frac Stage

06:00

11:00

5

POSTSTIM, POST DO

NONOPS

SHUT\_IN

SI, waiting on post DO ops on University 3-310 PU 7H.

NORMAL

11:00

12:00

1

POSTSTIM, POST DO

WORKOVER

WOV\_KILL

SICP- 300 psi, RU Red Bone reverse pump, pump 220 bbls of 10 lb brine water mixed with packer fluid to kill well.

NORMAL

12:00

17:15

5.25

POSTSTIM, POST DO

SETUP

RURD

Spot rig beam, MIRU Eagle WSU #208, ND upper frac valve, NU BOP stack. Test BOP, 500 psi low, 4500 psi high, test annular BOP, 500 psi low, 2500 psi high, all good tests. Spot pipe racks & laydown machine, rack & tally 2 7/8" production tbg. MIRU Sage Rider, Flo Cap, & Flowco.

NORMAL

17:15

06:00

12.75

POSTSTIM, POST OPS

WORKOVER

WOV\_TBG

P/U AS-3 tubing set packer. RIH with Sagerider and Flocap capillary string.RIH with 245 jts,(EOT @ 8,201.47'). Set packer with 15k compression. N/D bop.

NORMAL

27

2.00

Fluid Summary

Fluid

Cum to Well (bbl)

To well (bbl)

Cum from Well (bbl)

From well (bbl)

Left to recover (bbl)

DISPOSED

3,700.0

-3,700.0

WELL FLUID

480,160.0

482.0

479,678.0

Interval Problems

WORKOVER, AUXILIARY EQUIPMENT, OTHER, 2/18/2018 18:30

Ref #

End Date

Dur (Net) (hr)

Excl...

Accountable Party

Est Cost (Cost)

Comment

27

2/18/2018 20:30

2.00

No

EAGLE COMPLETIONS USA LTD

Breaks for stopping the blocks. the breaks were out of adjustment.

Rigs

Contractor

Rig #

Start Date

RR Date

Rig Type

VAUGHN ENERGY SERVICES (VES)

1

1/4/2018 22:00

1/5/2018 19:00

WIRELINE

PIONEER PUMPING SERVICES

5

1/10/2018 06:00

2/5/2018 07:52

FRAC FLEET

REFINERY SPECIALTIES INC (RSI)

1

1/10/2018 06:00

2/5/2018 10:15

PUMP DOWN

CASED HOLE SOLUTIONS

1

1/11/2018 02:00

2/5/2018 10:15

WIRELINE

PIONEER  
NATURAL RESOURCES

UNIVERSITY 3-310PU 8H

Job:

Report Date:

Report #:

AFE #:

Total AFE + Sup:

Cum Field Estimate:

Daily Field Estimate:

OCM

2/19/2018

40

043269;045375

\$5,101,753.00

\$5,413,602.85

\$139,132.68

Rigs

Contractor	Rig #	Start Date	RR Date	Rig Type
KEY ENERGY COIL		1/17/2018 12:30	1/18/2018 16:30	COIL TUBING
RED ZONE COIL TUBING	529	2/6/2018 18:00	2/11/2018 15:00	COIL TUBING
EAGLE COMPLETIONS USA LTD	208	2/18/2018 12:00		WORKOVER

DIESEL, DYED

Total Received 98,277.0	Total Consumed 98,277.0	Total Returned 0.0
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DIESEL, FUEL

Total Received 250.6	Total Consumed 250.6	Total Returned 0.0
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Stimulations Summary

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