



Partner Drilling Report

Date: 4/10/2019

Report #: 1.0

Well Name: UTL 4546A-21 41H

DSS:

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 4/29/2019 11:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 0.0 End Depth (TVD) (ftKB): Daily Progress (ft): Daily Drilling Hours (hr): Date: 4/10/2019	Purpose: Intermediate 2 TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 4/9/2019 - 4/10/2019

Operations at Report Time

Changing out saver sub

Operations Summary

Prep rig for skid, skid from UTL 4546B-21-51H to UTL 4546A-21-41H, center rig and set in cellar pumps, change out saver sub. TRRC was notified of new well spud, talked to operator- Audrey @ 20:00 4/9/2019.

Operations Next Report Period

P/U 17.5" surface BHA #1, Spud Well, Drill 17.5" surface section, Circ. hole clean, TOO and L/D BHA, rig up and run surface casing, circ. prior to pumping cement, pump cement per design, perform casing test, rig down cement crew, lay down landing joint, install wellhead and test, nipple up BOPS.

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
21:30	00:00	2.50	0.0		Rig Up	MIRU	Prep rig for skid, repair grass hopper on festoon skid. TRRC was notified of new well spud, talked to operator- Audrey @ 20:00 4/9/2019.
00:00	04:00	4.00	0.0		Rig Up	MIRU	Hold pjsm, skid rig to UTL 4546A-21-41H and center.
04:00	06:00	2.00	0.0		Rig Up	MIRU	Hook up mud line extension, set in cellar pumps, and catwalk, change out saver sub to DS40 connection.

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	



Partner Drilling Report

Date: 4/11/2019

Report #: 2.0

Well Name: UTL 4546A-21 41H

DSS:

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling	Rig Number: 319	Purpose: Intermediate 2 TD
Division:	Area: Cochise	Field Name: PHANTOM (WOLFCAMP)
County: WINKLER	State/Province: TX	API/UWI: 42495343350000
Regulatory Spud Date: 4/11/2019	Measured Depth (ftKB): 725.0	Drilling Permit Number:
Date TD Reached (wellbore): 6/8/2019 08:00	End Depth (TVD) (ftKB): 725.0	Ground Elevation (ft): 2,754.00
Rig Release Date: 4/29/2019 11:00	Daily Progress (ft): 596.00	Original KB Elevation (ft): 2,779.00
Target Formation: 3rd Bone Spring Sand Lower	Daily Drilling Hours (hr): 4.50	KB-Ground Distance (ft): 25.00
Type: Rig Accept	Date: 4/10/2019	
Type: Rig Accept		

Daily Activity from 4/10/2019 - 4/11/2019

Operations at Report Time
Testing BOPS

Operations Summary
P/U 17.5" BHA, spud well, Drill 17.5" surface section to 725', Circ. hole clean, TOOH and L/D BHA, rig up and run surface casing, circ. prior to pumping cement, pump cement per design, rig down cement crew, lay down landing joint, install wellhead, nipple up and test BOPS.

Operations Next Report Period
Test BOPS and 13-3/8" casing, complete nipple up of flow line, drilling choke, and rotating head, P/U 12-1/4" BHA, TIH, drill out float equipment and rat hole, drill 12 -1/4" 1st intermediate section.

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	07:00	1.00	129.0	20	Rig Up	MIRU	Finish tightening compression rings on top drive, install bottom guides and tie wire all bolts. test surface lines to 3000 psi good test. Install mouse hole.
07:00	07:30	0.50	129.0	20	Trips	Pick up BHA	P/U 17-1/2" BHA - 17-1/2" Ulterra CF616 (9x18 2.237 TFA) - 8"x9.625" AEP 7859 1.25 deg ADJ w/ 17" NBS 0.166 rev - 17-1/2" Stab - Shock sub - Shock Mizer HF (550-750 GPM) - 8" NMDC TC - 8" NMDC - 2 x 8" Steel DC - XO - 4-1/2" DS40 HWDP Tag bottom of conductor at 129' Spud well @ 7:30 hours 4/10/19
07:30	12:00	4.50	725.0	17 1/2	Drill	Drill - Actual	Drill 17.5" surface section f/ 129' MD to 725' MD = 596' / 132 FPH WOB: 15-25 RPM: 40-60 GPM: 400-700 DIFF: 200-700 SPP: 500-1900 TQ 8-14k MW 8.5 / VIS 29 Staging up parameters every connection until 8" collars were out of 20" conductor Soap/sapp stick every connection Hi Vis sweep every connection TD surface hole at 725' at 12:00 hrs 4/10/19
12:00	12:30	0.50	725.0	17 1/2	Condition mud & circulate	Clean-up cycle	Pump 40 bbl hi vis sweep as fluid caliper Circulate hole clean 0% washout calculated RPM: 50 GPM: 800 SPP: 1600 TQ: 2k
12:30	14:00	1.50	725.0	17 1/2	Trips	Trip out of hole	TOOH to run surface casing from 725' to surface. L/D BHA Bit grade: 1-1 and motor drained good with minimal squat. Keeping hole filled with 2" fill hose in cellar.
14:00	15:00	1.00	725.0	17 1/2	Run casing & cement	Rig up/down to run casing	Hold PJSM and rig up casing crew for 13-3/8" casing run.
15:00	16:30	1.50	725.0	17 1/2	Run casing & cement	Run casing	Run 13 3/8" casing as per tally: Float shoe @ 709.5, top @ 707.7 1 jt 13 3/8" 48# J-55 STC Float collar @ 665.6, top @ 664' 15 jts 13 3/8" 48# J-55 STC Pup joint/LWR head Landing jt Test floats (good test) top filling with top drive as needed for weight. Proper displacement throughout casing run.
16:30	17:30	1.00	725.0	17 1/2	Run casing & cement	Rig up/down to run casing	Hold PJSM and rig down casing tools. Rig up compass cement head and circulating iron.
17:30	18:00	0.50	725.0	17 1/2	Condition mud & circulate	Circulate and Condition	Circulate casing capacity @ 8 bpm with full returns Note: Hold PJSM on cement job while circulating. MW 8.45 ppg vis 29
18:00	19:30	1.50	725.0	17 1/2	Run casing & cement	Cement	Perform 13-3/8" cement job as followed: - Pump 4 bbl to fill lines, test lines to 2,500#, good test. - Pump 20 bbl gel spacer @ 8.4 ppg, 3.5 bpm - Pump 176 bbl (410 sx) lead cement @ 12.4 ppg, 8 bpm - Pump 55 bbl (230 sx) tail cement @ 14.8 ppg, 6 bpm - Shut down, drop plug (verified by DSM) - Pump 85 bbl FW displacement @ 8 bpm - Pump 20 bbl FW displacement @ 4 bpm (105 bbls total) - Did not bump on calculated displacement, pump additional .5 shoe track to 108 bbls, still didn't bump. - Shut down and check floats, Floats held. -FCP 300 psi @ 3 bpm - 0 bbls bled back Full returns throughout job All spacer and 120 bbl cement to surface. Note: Landing joint was leaking during displacement.
19:30	20:00	0.50	725.0	17 1/2	Run casing & cement	Rig up/down to run casing	Rig down cement head and iron. flush out cellar and hydraulic cellar pumps.



Partner Drilling Report

Date: 4/11/2019

Report #: 2.0

Well Name: UTL 4546A-21 41H

DSS:

Lat: 31.66857600 Long: -103.21623900

Time Log							
Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
20:00	20:30	0.50	725.0	17 1/2	Other	Other	Break bolts and pull bushings to remove Cactus landing joint. Lay down casing elevators and bails, install drill pipe elevators, pull mouse hole, and rig down cellar pumps.
20:30	02:00	5.50	725.0	17 1/2	Nipple up BOP	Nipple up BOPs	Dress out wellhead, install B section on wellhead, nipple up DSA and QC drilling adapter, rig up BOP winches and set BOP, torque all breaks on stack. Nipple up choke line, remove winch cables from stack, install all accumulator lines and pressure up. Function test BOP and check for leak. Note: All components functioned properly from BOP remote in drillers cabin.
02:00	06:00	4.00	725.0	17 1/2	Test BOP	Pressure test BOPs	Test BOPS, Hold PJSM with MidCentral test crew. Perform break test on QC drilling adapter, make up 4.5" test joint, fill stack with water, test lower and upper pipe rams, blind rams, manual kill valves, manual and HYD HCR valves, and mud line to 250 low for 5mins, 5000 high for 5mins, Test annular 250psi low for 5 mins, 3500psi high for 5 mins. Note: wash pipe leaking on top drive, change out and continue test.

Casing Strings							
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	

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Partner Drilling Report

Date: 4/12/2019

Report #: 3.0

Well Name: UTL 4546A-21 41H

DSS: 0.27

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 4/29/2019 11:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 1,404.0 End Depth (TVD) (ftKB): 1,404.0 Daily Progress (ft): 679.00 Daily Drilling Hours (hr): 7.00 Date: 4/10/2019	Purpose: Intermediate 2 TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 4/11/2019 - 4/12/2019

Operations at Report Time
 Drilling 12-1/4" 1st intermediate @ 1,404'

Operations Summary
 Test BOPS and 13-3/8" casing, complete nipple up of flow line, drilling choke, orbit valve, and rotating head, fill mud tanks with brine water, rig up flare line, install long wear bushing, change out saver sub, P/U 12-1/4" BHA, TIH, drill out float equipment and rat hole, drill 12-1/4" 1st intermediate section.

Operations Next Report Period
 Drill 12-1/4" 1st intermediate section as per directional plan #1.

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	09:00	3.00	725.0	17 1/2	Test BOP	Pressure test BOPs	Test BOPS, Hold PJSM with MidCentral test crew. Test lower and upper pipe rams, blind rams, manual kill valves, manual and HYD HCR valves, choke manifold, FOSV, inside gray valve, and mud line to 250 low for 5mins, 5000 high for 5mins, Test annular 250psi low for 5 mins, 3500psi high for 5 mins. Test with 4.5" DP test joint.
09:00	09:30	0.50	725.0	17 1/2	Run casing & cement	Pressure test CSG/shoe	Test 13-3/8" casing 1500 psi for 30 minutes. Rig down MidCentral test crew.
09:30	18:30	9.00	725.0	17 1/2	Nipple up BOP	Nipple up BOPs	Install orbit valve and function test, install flow line, rig up drilling choke, rig up 2" fill-up line. Pump through flow line and drilling choke to check for leaks. Install new turn buckle and center stack. Install rotating head clamp and power unit, install wear bushing, install mouse hole, rig up transfer pumps in reserve pit, check proper valve alignment on stack, choke manifold, and mud pumps, change out saver sub from DS40 to delta 425, install trip nipple and change out elevators.
18:30	20:00	1.50	725.0	17 1/2	Trips	Pick up BHA	P/U 12.25" BHA #2 as followed: - 12.25" Reed TKC76 (7x11, 0.650 TFA) - 8" AEP 7:8 5.9 FBH 1.50° 0.166 rev w/ 11.75" NBS - 11.75" Stab w/ float - UBHO HF (550 – 750) flow range - 8" NMDC, tool carrier - 8" NMDC - 2 X 8" Steel DC's - 8" Shock sub - X/O - 45 jt 4.5" HWDP - X/O Surface test MWD, good test
20:00	20:30	0.50	725.0	17 1/2	Trips	Trip in hole	TIH from BHA to 564' Fill pipe and wash down to 600'
20:30	23:00	2.50	725.0	17 1/2	Drill	Drill cement/drill out cement/drill float&shoe	Tag cement at 600' and begin washing/reaming through cement. WOB 5-10, RPM 20-25, GPM 400-450, TQ 3K Tagged FC at 664' Tagged FS at 709' Remove trip nipple and install rotating head
23:00	02:00	3.00	900.0	17 1/2	Drill	Drill - Actual	Drill 12-1/4" 1st intermediate section f/ 725' MD to 900' MD = 175' / 58 FPH ROT: 100% SLIDE: 0% WOB: 15-20 RPM: 20-25 GPM: 400-450 DIFF: 200-400 SPP: 2000-2200 TQ 6.5-8.5k MW 9.1 / VIS 28 Drilling on Delta425 Kelly joint above HWDP Staging up parameters every connection until 8" collars were out of 13-3/8" shoe Pumping Hi Vis sweep every other connection SD: 831' INC 0.34° AZM 260.53° TVD 830.99' Below -3' / Left -2'
02:00	06:00	4.00	1,404.0	12 1/4	Drill	Drill - Actual	Drill 12-1/4" 1st intermediate section f/ 900' MD to 1404' MD = 504' / 126 FPH ROT: 100% SLIDE: 0% WOB: 20-30 RPM: 40-60 GPM: 700-750 DIFF: 400-600 SPP: 2200-2500 TQ 8-9k MW 9.1 / VIS 28 Drilling on Delta425 Kelly joint above HWDP Pumping Hi Vis sweep every other connection SD: 1,264' INC 0.38° AZM 288.59° TVD 1,263.99' Below -3' / Left -3'

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	



Partner Drilling Report

Date: 4/13/2019

Report #: 4.0

Well Name: UTL 4546A-21 41H

DSS: 1.27

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 4/29/2019 11:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 3,462.0 End Depth (TVD) (ftKB): 3,454.9 Daily Progress (ft): 2,058.00 Daily Drilling Hours (hr): 17.00 Date: 4/10/2019	Purpose: Intermediate 2 TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 4/12/2019 - 4/13/2019

Operations at Report Time

Picking up shock sub

Operations Summary

Drill 12-1/4" 1st intermediate section from 1,404' to 3,462', Circulate hole clean, POOH due to mud motor failure, change out BHA.

Operations Next Report Period

TIH and drill 12-1/4" 1st intermediate section as per directional plan #1 to ~8,000'

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	15:00	9.00	2,717.0	12 1/4	Drill	Drill - Actual	Drill 12-1/4" 1st intermediate section f/ 1,404' MD to 2,717' MD = 1,313' / 145.88 FPH ROT: 88% SLIDE: 12% WOB: 30-40 RPM: 50-60 GPM: 700-750 DIFF: 400-600 SPP: 2500-3750 TQ 10-13k MW 9.8 / VIS 29 Drilling on Delta425 Kelly joint above HWDP Pumping Hi Vis sweep every other connection Build and hold 5° tangent SD: 2.646° INC 4.84° AZM 236.68° TVD 2,443.18' Below -0.30' / Right 11.80'
15:00	23:00	8.00	3,462.0	12 1/4	Drill	Drill - Actual	Drill 12-1/4" 1st intermediate section f/ 2,717' MD to 3,462' MD = 745' / 93.13 FPH ROT: 98% SLIDE: 2% WOB: 30-40 RPM: 30-40 GPM: 750 DIFF: 700-800 SPP: 3750-4100 TQ 11-13k MW 10 / VIS 29 Pumping Hi Vis sweep every other connection. While on bottom drilling we took a 1000 PSI spike. After killing the pumps & releasing torque, bit was picked up off bottom. Turned pumps back on and off bottom pressure was higher. Decision was made to POOH, change bit & motor.
23:00	23:30	0.50	3,462.0	12 1/4	Condition mud & circulate	Clean-up cycle	Perform clean up cycle. Circ. bottoms-up 1 times GPM: 600 SPP: 4350 RPM: 40 TQ: 3k Perform flow check (Well static) Fill trip tank
23:30	00:30	1.00	3,462.0	12 1/4	Trips	Trip out of hole	TOO H due to mud motor failure F/ 3,462' T/ 2,600' No over pull and well taking proper fill. Note: high winds
00:30	01:00	0.50	3,462.0	12 1/4	Waiting on	W/O Weather	Shut down tripping ops due to severe weather. work pipe while waiting for wind and hail storm to quite.
01:00	03:00	2.00	3,462.0	12 1/4	Trips	Trip out of hole	Continue TOO H F/ 2,600' T/ 185' No over pull and well taking proper fill. Note: high winds, tripping slower to avoid snagging service loop in derrick.
03:00	04:30	1.50	3,462.0	12 1/4	Trips	Lay down BHA	Handle BHA. Bit grade 1-1 with 4 plugged jets, motor was locked up
04:30	06:00	1.50	3,462.0	12 1/4	Trips	Pick up BHA	P/U 12.25" BHA #3 as followed: - 12.25" Reed TKC66 (9x10, 0.6902 TFA) - 8" AEP 7:8 5.9 FBH 1.50° 0.166 rev w/ 11.75" NBS - 11.75" Stab w/ float - UBHO HF (550 – 750) flow range - 8" NMDC, tool carrier - 8" NMDC - 2 X 8" Steel DC's - 8" Shock sub - X/O - 45 jt 4.5" HWDP - X/O Change out UBHO Surface test MWD, good test

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	



Partner Drilling Report

Date: 4/14/2019

Report #: 5.0

Well Name: UTL 4546A-21 41H

DSS: 2.19

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 4/29/2019 11:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 5,170.0 End Depth (TVD) (ftKB): 5,155.8 Daily Progress (ft): 1,708.00 Daily Drilling Hours (hr): 21.50 Date: 4/10/2019	Purpose: Intermediate 2 TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 4/13/2019 - 4/14/2019

Operations at Report Time Drilling 12-1/4" 1st intermediate section @ 5,170'
Operations Summary Finished TIH, drilled 12-1/4" 1st intermediate section F/ 3,462' T/ 4,797', performed rig service, continued drilling 1st intermediate section.
Operations Next Report Period Drill 12-1/4" 1st intermediate section as per directional plan #1 to ~8,000'

Time Log							
Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	08:00	2.00	3,462.0	12 1/4	Trips	Trip in hole	TIH F/ 185' T/ 3,462' Install rotating head at 1,579' No tight spots seen and proper displacement. Fill pipe and sync MWD tool.
08:00	12:00	4.00	3,662.0	12 1/4	Drill	Drill - Actual	Drill 12-1/4" 1st intermediate section f/ 3,462' to 3,662' = 200' / 50 FPH ROT: 90% SLIDE: 10% WOB: 40-50 RPM: 40-25 GPM: 650 DIFF: 350-650 SPP: 3150-3900 TQ: 10k MW: 9.95 / VIS 29 Formation: Surface Pumping Hi Vis sweep every other connection.
12:00	16:00	4.00	3,946.0	12 1/4	Drill	Drill - Actual	Drill 12-1/4" 1st intermediate section f/ 3,662' to 3,946' = 284' / 71 FPH ROT: 89% SLIDE: 11% WOB: 50-45 RPM: 35 GPM: 650-700 DIFF: 600-700 SPP: 3800-3900 TQ: 12-15k MW: 10.0 / VIS 29 Formation: Surface Pumping Hi Vis sweep every other connection.
16:00	20:00	4.00	4,336.0	12 1/4	Drill	Drill - Actual	Drill 12-1/4" 1st intermediate section f/ 3,946' to 4,336' = 390' / 97.5 FPH ROT: 94% SLIDE: 6% WOB: 45 RPM: 35-25 GPM: 650-750 DIFF: 700-500 SPP: 3900-4200 TQ: 13-16k MW: 10.0 / VIS 29 Formation: Surface Pumping Hi Vis sweep every other connection.
20:00	00:00	4.00	4,709.0	12 1/4	Drill	Drill - Actual	Drill 12-1/4" 1st intermediate section f/ 4,336' to 4,709' = 373' / 124 FPH ROT: 100% SLIDE: 0% WOB: 45 RPM: 25-30 GPM: 750-650 DIFF: 550-500 SPP: 4200-3500 TQ: 13-16k MW: 10.0 / VIS 29 Formation: Surface Pumping Hi Vis sweep every other connection.
00:00	01:30	1.50	4,797.0	12 1/4	Drill	Drill - Actual	Drill 12-1/4" 1st intermediate section f/ 4,709' to 4,797' = 88' / 58.66 FPH ROT: 72% SLIDE: 28% WOB: 45 RPM: 25 GPM: 700-750 DIFF: 500 SPP: 3500-4250 TQ: 14-17k MW: 10.0 / VIS 29 Formation: Surface Pumping Hi Vis sweep every other connection.
01:30	02:00	0.50	4,797.0	12 1/4	Rig Service	Rig Service	Routine rig service.



Partner Drilling Report

Date: 4/14/2019

Report #: 5.0

Well Name: UTL 4546A-21 41H

DSS: 2.19

Lat: 31.66857600 Long: -103.21623900

Time Log							
Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
02:00	06:00	4.00	5,170.0	12 1/4	Drill	Drill - Actual	Drill 12-1/4" 1st intermediate section f/ 4,797' to 5,170' = 373' / 93.25 FPH ROT: 92% SLIDE: 8% WOB: 45 RPM: 25 GPM: 700-750 DIFF: 500 SPP: 3500-4250 TQ: 14-17k MW: 9.4 / VIS 29 Formation: Bell canyon Pumping Hi Vis sweep every other connection. Cut MW to 9.2

Casing Strings							
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	

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Partner Drilling Report

Date: 4/15/2019

Report #: 6.0

Well Name: UTL 4546A-21 41H

DSS: 3.19

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 4/29/2019 11:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 7,000.0 End Depth (TVD) (ftKB): 6,979.0 Daily Progress (ft): 1,830.00 Daily Drilling Hours (hr): 21.00 Date: 4/10/2019	Purpose: Intermediate 2 TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 4/14/2019 - 4/15/2019

Operations at Report Time
 Drilling 12-1/4" 1st intermediate section @ 7,000'

Operations Summary
 Drilled F/ 5,170' T/ 6,123', change out rotating head, drilled F/ 6,123' T/ 6,408, performed rig service, drilled F/ 6,408' T/ 6,586', circulate BU, continued drilling 12-1/4" 1st intermediate section.

Operations Next Report Period
 Drill 12-1/4" 1st intermediate section as per directional plan #1 to ~8,000'

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	09:30	3.50	5,705.0	12 1/4	Drill	Drill - Actual	Drill 12-1/4" 1st intermediate section f/ 5,170' to 5,705' = 535' / 153 FPH ROT: 91% SLIDE: 9% WOB: 35-45 RPM: 25-50 GPM: 750 DIFF: 500-600 SPP: 4150-4250 TQ: 15-18k MW: 9.4 / VIS 29 Holding 5° tangent Formation: Bell canyon Pumping Hi Vis sweep every other connection. Cut MW to 9.2
09:30	13:00	3.50	6,123.0	12 1/4	Drill	Drill - Actual	Drill 12-1/4" 1st intermediate section f/ 5,705' to 6,123' = 418' / 119 FPH ROT: 97% SLIDE: 3% WOB: 40-45 RPM: 35-50 GPM: 750 DIFF: 600-700 SPP: 4300 TQ: 10-20k MW: 9.6 / VIS 29 Full returns Holding 5° tangent Formation: Cherry canyon Pumping Hi Vis sweep every other connection. Note: Off-loading 9-5/8" casing.
13:00	13:30	0.50	6,123.0	12 1/4	Other	Other	Change out rotating head rubber.
13:30	15:30	2.00	6,408.0	12 1/4	Drill	Drill - Actual	Drill 12-1/4" 1st intermediate section f/ 6,123' to 6,408' = 285' / 143 FPH ROT: 100% SLIDE: 0% WOB: 40-30 RPM: 35-40 GPM: 750-700 DIFF: 700-600 SPP: 4300-4100 TQ: 10-20k MW: 9.5 / VIS 29 Full returns Holding 5° tangent Formation: Cherry canyon Pumping Hi Vis sweep every other connection.
15:30	16:30	1.00	6,408.0	12 1/4	Rig Service	Rig Service	Rig service. Change out Hydraulic and gear oil, both filters and install new camera in derrick board.
16:30	18:00	1.50	6,586.0	12 1/4	Drill	Drill - Actual	Drill 12-1/4" 1st intermediate section f/ 6,408' to 6,586' = 178' / 119 FPH ROT: 100% SLIDE: 0% WOB: 30-35 RPM: 40 GPM: 700 DIFF: 600 SPP: 4100 TQ: 10-20k MW: 9.5 / VIS 29 Holding 5° tangent Formation: Cherry canyon At 6,586' lost full returns. Pick up off bottom and idle pumps down still no returns.
18:00	19:00	1.00	6,586.0	12 1/4	Condition mud & circulate	Lost circulation	Circulate well bore clean prior to drilling ahead blind. Rotate and reciprocate drill string. GPM: 700 SPP: 2200 RPM: 55 TQ: 3K PU-220K SO-185K
19:00	19:30	0.50	6,586.0	12 1/4	Condition mud & circulate	Circulate and Condition	Continue circulating and working pipe while troubleshooting mud pump #1. Found trash in valves and seats, air out pump and continue drilling ahead.



Partner Drilling Report

Date: 4/15/2019

Report #: 6.0

Well Name: UTL 4546A-21 41H

DSS: 3.19

Lat: 31.66857600 Long: -103.21623900

Time Log							
Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
19:30	23:30	4.00	6,790.0	12 1/4	Drill	Drill - Actual	Drill 12-1/4" 1st intermediate section f/ 6,586' to 6,790' = 204' / 51 FPH Control drill at 80 FPH ROT: 91% SLIDE: 9% WOB: 30 RPM: 40 GPM: 600 DIFF: 650 SPP: 3000 TQ: 10-15K Off btm TQ: 3K MW: 8.9 / VIS 29 Dropping back to vertical Formation: Cherry canyon Note: No returns, monitor torque and drag, circulate 2-3 minutes before making connection, maintaining volume with water trucks and transfer line from water pit. Pumping 20 BBLs of brine down backside every 2 hours. On drilling choke with pressure control set at 200 psi.
23:30	02:00	2.50	6,892.0	12 1/4	Drill	Drill - Actual	Drill 12-1/4" 1st intermediate section f/ 6,790' to 6,892' = 102' / 40.8 FPH Control drill at 100 FPH ROT: 70% SLIDE: 30% WOB: 35 RPM: 40 GPM: 600 DIFF: 650 SPP: 3050 TQ: 10-15K Off btm TQ: 3K MW: 8.9 / VIS 29 Dropping back to vertical Formation: Cherry canyon Note: No returns, monitor torque and drag, circulate 2-3 minutes before making connection, maintaining volume. Pumping 20 BBLs of brine down backside every 2 hours. On drilling choke with pressure control set at 200 psi.
02:00	06:00	4.00	7,000.0	12 1/4	Drill	Drill - Actual	Drill 12-1/4" 1st intermediate section f/ 6,892' to 7,000' = 108' / 27 FPH Control drill at 100 FPH ROT: 57% SLIDE: 43% WOB: 30 RPM: 40 GPM: 600 DIFF: 250 SPP: 3050 TQ: 10-20K Off btm TQ: 3K MW: 8.9 / VIS 29 Dropping back to vertical Formation: Cherry canyon Note: No returns, monitor torque and drag, circulate 2-3 minutes before making connection, maintaining volume. Pumping 20 BBLs of brine down backside every 2 hours. On drilling choke with pressure control set at 200 psi.

Casing Strings								
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)	
Conductor	20	94.00	H-40	Weld on	25.0	129.0		
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5		



Partner Drilling Report

Date: 4/16/2019

Report #: 7.0

Well Name: UTL 4546A-21 41H

DSS: 4.19

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 4/29/2019 11:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 7,405.0 End Depth (TVD) (ftKB): 7,383.8 Daily Progress (ft): 405.00 Daily Drilling Hours (hr): 11.50 Date: 4/10/2019	Purpose: Intermediate 2 TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 4/15/2019 - 4/16/2019

Operations at Report Time
 Making up shoe track

Operations Summary
 Drilled F/ 7,000' T/ 7,289', false H2S alarm, drilled F/ 7,289' T/ 7,405' TD, circulate BU, POOH, handle BHA, remove wear bushing, rig up casing crew.

Operations Next Report Period
 Run 9-5/8" casing per tally, circulate prior to pumping cement, pump 2 stage cement job per design, install packoff and test same, install wear bushing, pick up BHA, drill out baffle and DV/packer tool, TIH, test casing, drill out cement and float equipment.

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	10:30	4.50	7,155.0	12 1/4	Drill	Drill - Actual	Drill 12-1/4" 1st intermediate section f/ 7,000' to 7,155' = 155' / 34.44 FPH Control drill 60 FPH in rotation ROT: 22% SLIDE: 78% WOB: 30-40 RPM: 20 GPM: 600-550 DIFF: 200 SPP: 2600-2400 TQ: 9-13K Off btm TQ: 3K MW: 8.7 / VIS 29 Dropping back to vertical Formation: Cherry canyon Note: regained full returns at 7,049', went to closed loop to monitor returns. On drilling choke holding 200 psi back pressure. Lost return at 7,138' went back to open loop, through drilling choke full open.
10:30	13:30	3.00	7,289.0	12 1/4	Drill	Drill - Actual	Drill 12-1/4" 1st intermediate section f/ 7,155' to 7,289' = 134' / 44.66 FPH Control drill 60 FPH in rotation ROT: 100% SLIDE: 0% WOB: 35 RPM: 20 GPM: 550 DIFF: 450 SPP: 2650 TQ: 10-18K Off btm TQ: 3K MW: 8.7 / VIS 29 Dropping back to vertical Formation: Brushy canyon Note: Intermittent returns, open loop, through drilling choke full open. H2S alarm went off, showing 4 ppm at shakers. Note: TRRC notified 4/15/2019, agency contact Larissa. Job number 173653
13:30	14:00	0.50	7,289.0	12 1/4	Safety meeting	H2S Evacuation	Shut in well, and muster, preformed a head count. All personal accounted for. DSM and RM cleared rig and location (No H2S was detected with four different monitors. KC safety was called out to check sensors. Sensor at shakers was found to be bad and giving a false alarm. Open well up and continue drilling ahead while monitor well bore. Minimal returns and no H2S present.
14:00	18:00	4.00	7,405.0	12 1/4	Drill	Drill - Actual	Drill 12-1/4" 1st intermediate section f/ 7,289' to 7,405' = 116' / 29 FPH ROT: 100% SLIDE: 0% WOB: 30 RPM: 20 GPM: 550 DIFF: 300 SPP: 2500 TQ: 10-20K Off btm TQ: 3K MW: 8.7 / VIS 29 Formation: Brushy canyon Note: No returns, open loop, through drilling choke full open. SD: 7,336' INC 1.03° AZM 244.48° TVD 7,315' Above 9' / Left 2'
18:00	19:30	1.50	7,405.0	12 1/4	Condition mud & circulate	Clean-up cycle	Circulate bottom up. Rotate and reciprocate drill string. GPM: 650 SPP: 2600 RPM: 70 TQ: 6K start of circulation TQ: 4K end of circulation PU-220K SO-190K start of circulation PU-200K SO-180K end of circulation No returns
19:30	20:00	0.50	7,405.0	12 1/4	Trips	Trip out of hole	TOOH to run 9-5/8" casing F/ 7,405' T/ 6,692' 10K over pull, Pumping calculated displacement with 9.8 PPG brine.
20:00	22:00	2.00	7,405.0	12 1/4	Reaming	Reaming	Wash and Ream through tight spots F/ 6,692' T/ 6,502'. 50K-60K over pull seen GPM: 650 SPP: 2400 RPM: 40 TQ: 18K After cleaning up tight spots, pump slug and continue TOOH. No returns
22:00	00:30	2.50	7,405.0	12 1/4	Trips	Trip out of hole	TOOH to run 9-5/8" casing F/ 6,502' T/ BHA No over pull seen. no issues. Remove rotating head. Pumping calculated displacement with 9.8 PPG brine.



Partner Drilling Report

Date: 4/16/2019

Report #: 7.0

Well Name: UTL 4546A-21 41H

DSS: 4.19

Lat: 31.66857600 Long: -103.21623900

Time Log							
Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
00:30	02:00	1.50	7,405.0	12 1/4	Trips	Lay down BHA	Hold PJSM & handle 12-1/4" BHA Rack back 8" DC, pull MWD tool, drain motor, break bit, change out mud motors, and rack back for next 12-1/4" section on 51H Well. Motor drained good with no noticeable issues. Bit grade: 1-3-CT. Clean & ready rig floor for casing run.
02:00	02:30	0.50	7,405.0	12 1/4	Other	Other	Retrieve wear bushing. install trip nipple.
02:30	03:00	0.50	7,405.0	12 1/4	Rig Service	Rig Service	Routine rig service.
03:00	04:00	1.00	7,405.0	12 1/4	Run casing & cement	Rig up/down to run casing	Hold PJSM with Casing specialties and rig up.
04:00	06:00	2.00	7,405.0	12 1/4	Run casing & cement	Run casing	Make up shoe track and test floats (good test) Run 9-5/8", 40#, J-55, LT&C casing. Note: Change out power tongs due to blown hydraulic hose when making up shoe track.

Casing Strings							
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	



Partner Drilling Report

Date: 4/17/2019

Report #: 8.0

DSS: 5.19

Well Name: UTL 4546A-21 41H

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 4/29/2019 11:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 7,405.0 End Depth (TVD) (ftKB): 7,383.8 Daily Progress (ft): 0.00 Daily Drilling Hours (hr): Date: 4/10/2019	Purpose: Intermediate 2 TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 4/16/2019 - 4/17/2019

Operations at Report Time
 Laying down 9-5/8" csg @ 2,800'

Operations Summary
 Ran 9-5/8" casing from surface to 6,700', wash casing down to 6,752', work free and lay down casing.

Operations Next Report Period
 Lay down casing, make up clean out BHA and TIH, wash/ream tight spots and condition hole.

Time Log							
Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	15:00	9.00	7,405.0	12 1/4	Run casing & cement	Run casing	Run 9-5/8", 40#, J-55, LT&C F/ surface T/ 6,700' Torque connections to 5,200 ft-lbs. No thread rep or torque turn used. Run bow spring centralizers 1-10' above float shoe, 1-10' above float collar, 14 solid body centralizers every 4th joint to top of DV tool, and bow spring centralizers every joint after. Filling casing every two joints with CRT. Pumping 20 bbls of 10# brine down backside every 20 joints. No returns. Tag up @ 6,700'
15:00	18:00	3.00	7,405.0	12 1/4	Run casing & cement	Run casing	Wash casing down F/ 6,700' T/ 6,752' @ 450 GPM, work string up to 350K and down to 200K, SPP 450 psi. No packoff issues. No returns. Note: Max pressure with DV tool 800 psi.
18:00	20:30	2.50	7,405.0	12 1/4	Run casing & cement	Pulled casing	Work casing free F/ 6,752' T/ 6,600' @ 410 GPM, work string up to 360K, and down to 180K, SPP 480 psi. No returns.
20:30	21:00	0.50	7,405.0	12 1/4	Run casing & cement	Pulled casing	Meet with JPE team, decision was made to lay down casing. Hold PJSM with rig team and casing crew. Ready pipe racks and rig floor for L/D casing operations. mobilize new DV/Packer tool, reamer shoe, float collar, casing crew to clean, inspect, and drift laid down casing.
21:00	06:00	9.00	7,405.0	12 1/4	Run casing & cement	Pulled casing	Lay down 9-5/8" 40#, J-55, LT&C casing F/ 6,600' T/ 2,800' Pull first 5 joints wet and pump slug. Pumping calculated displacement with 8.9 PPG Casing crew on location to inspect, drift, and tally casing.

Casing Strings							
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	



Partner Drilling Report

Date: 4/18/2019

Report #: 9.0

DSS: 6.19

Well Name: UTL 4546A-21 41H

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 4/29/2019 11:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 7,405.0 End Depth (TVD) (ftKB): 7,383.8 Daily Progress (ft): 0.00 Daily Drilling Hours (hr): Date: 4/10/2019	Purpose: Intermediate 2 TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 4/17/2019 - 4/18/2019

Operations at Report Time
 Picking up directional BHA

Operations Summary
 Lay down 9-5/8" csg, rig down csg tools, install wear bushing, service rig, pick up clean out BHA, TIH, wash & ream, short trip, TOO H for 12-1/4" directional BHA.

Operations Next Report Period
 Pick up 12-1/4" directional BHA, TIH, drill ~1,000'

Time Log							
Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	11:30	5.50	7,405.0	12 1/4	Run casing & cement	Pulled casing	Lay down 2,800' of 9-5/8" 40#, J-55, LT&C casing. Pumping calculated displacement with 8.9 PPG remove bow spring and solid body centralizers. Note: had to heat up connection that had thread lock applied on DV tool, baffle joint, and float collar.
11:30	12:30	1.00	7,405.0	12 1/4	Run casing & cement	Rig up/down to run casing	Hold PJSM and rig down casing tools.
12:30	13:00	0.50	7,405.0	12 1/4	Other	Other	Install wear bushing.
13:00	14:00	1.00	7,405.0	12 1/4	Other	Other	Clean and organize rig floor due to pulling wet casing.
14:00	14:30	0.50	7,405.0	12 1/4	Rig Service	Rig Service	Routine rig service.
14:30	15:30	1.00	7,404.0	12 1/4	Waiting on	W/O Third Party Tools	Wait on 12.25" Milltooth bit.
15:30	16:00	0.50	7,405.0	12 1/4	Trips	Pick up BHA	Pick up clean out BHA. - Baker 12.25" milltooth bit - Bit sub w/float - X/O - Float sub - X/O
16:00	17:00	1.00	7,405.0	12 1/4	Trips	Trip in hole	TIH F/ surface T/ 1,090' with 4.5" HWDP Tag up at 1,090'
17:00	18:00	1.00	7,405.0	12 1/4	Reaming	Reaming	Wash and ream tight spots F/ 1,067' T/ 1,099' GPM: 500 SPP: 900 RPM: 80 TQ: 1K No returns
18:00	22:00	4.00	7,405.0	12 1/4	Trips	Trip in hole	TIH F/ 1,099' T/ 6,774' Install rotating head after HWDP Filling pipe every 20 stands monitor hole on trip tank, no returns. Tagged up at 2,893' and 4,244' work through both spots. Tag up at 6,774' and begin to wash/ream
22:00	01:00	3.00	7,405.0	12 1/4	Reaming	Reaming	Wash and ream F/ 6,774' T/ bottom GPM: 300 SPP: 900 RPM: 80-100 TQ: 3-12K No returns
01:00	02:30	1.50	7,405.0	12 1/4	Trips	Wiper Trip	Short trip 10 stands. PU-190K SO-170K 15K over pull at 6,774' nothing seen going back in hole. Pump slug.
02:30	06:00	3.50	7,405.0	12 1/4	Trips	Trip out of hole	TOOH to P/U directional BHA F/ 7,405 T/ Surface L/D clean out BHA. No over pull, pumping calculated displacement with 8.5 PPG from trip tank.

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	



Partner Drilling Report

Date: 4/19/2019

Report #: 10.0

Well Name: UTL 4546A-21 41H

DSS: 7.19

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 4/29/2019 11:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 7,810.0 End Depth (TVD) (ftKB): 7,788.7 Daily Progress (ft): 405.00 Daily Drilling Hours (hr): 5.27 Date: 4/10/2019	Purpose: Intermediate 2 TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 4/18/2019 - 4/19/2019

Operations at Report Time
 Drilling 12-1/4" 1st intermediate section @ 7,810'

Operations Summary
 Picked up 12-1/4" directional BHA, TIH, wash/ream tight spots, drilled F/ 7,405' T/ 7,518', TOO H to 6,300' to replace #1 mud pump discharge manifold, TIH and continue drilling ahead.

Operations Next Report Period
 Drill 12-1/4" 1st intermediate section as per directional plan #1 to ~8,400'

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	07:30	1.50	7,405.0	12 1/4	Trips	Pick up BHA	P/U 12.25" BHA #4 as followed: - 12.25" Smith XS716S (3x12, 4x11, 0.702 TFA) - 8" AEP 7:8 5.9 ABH 1.50° 0.166 rev w/ 11.75" NBS - 11.75" Stab w/ float - UBHO HF (550 – 750) flow range - 8" NMDC, tool carrier - 8" NMDC - 2 X 8" Steel DC's - 8" Shock sub - X/O - 45 jt 4.5" HWDP - X/O Surface test MWD, good test
07:30	12:30	5.00	7,405.0	12 1/4	Trips	Trip in hole	TIH F/ 185' T/ 6,800' Install rotating head at 1,575' Fill pipe every 30 stands. Tight spots @ 1,514' and 5,249' wash and ream to clean up. No returns.
12:30	14:30	2.00	7,405.0	12 1/4	Reaming	Reaming	Wash and ream F/ 6,800' T/ 7,405' GPM: 460 SPP: 1500 RPM: 40 TQ: 15K No returns. Sync MWD tool.
14:30	16:00	1.50	7,518.0	12 1/4	Drill	Drill - Actual	Drill 12-1/4" 1st intermediate section f/ 7,405' to 7,518' = 113' / 75.33 FPH ROT: 100% SLIDE: 0% WOB: 40 RPM: 30 GPM: 700 DIFF: 600 SPP: 3650 TQ: 18K Off btm TQ: 3K MW: 8.4 / VIS 29 Formation: Brushy canyon Note: No returns, through drilling choke full open. While on bottom drilling discharge manifold weld broke on #1MP. Decision was made to TOO H above loss zone to repair mud pump.
16:00	17:30	1.50	7,518.0	12 1/4	Rig Repair	Downtime - Mud pump	TOO H to repair MP#1 to 6,300' When starting off bottom overpull was seen, worked pipe free and well started flowing. Hold back pressure with drilling choke while tripping out.
17:30	00:00	6.50	7,518.0	12 1/4	Rig Repair	Downtime - Mud pump	Change out discharge manifold on #1 mud pump. Mechanic on locations to assist. New manifold arrived at 19:45. Note: Shut in against orbit valve and drilling choke 25 psi on drilling choke gauge. Work pipe 90' every 15 minutes. Check for leaks and pressure test mud pump.
00:00	00:30	0.50	7,518.0	12 1/4	Rig Repair	Downtime - Mud pump	Trip back to bottom. Monitor Well at trip tank while TIH. No returns and no tight spots. Sync MWD tool and drill ahead.
00:30	05:30	5.00	7,810.0	12 1/4	Drill	Drill - Actual	Drill 12-1/4" 1st intermediate section f/ 7,518' to 7,810' = 292' / 58.4 FPH ROT: 100% SLIDE: 0% WOB: 40-45 RPM: 30 GPM: 700-650 DIFF: 600-500 SPP: 3650-3500 TQ: 18K Off btm TQ: 3K MW: 8.5 / VIS 29 Formation: Brushy canyon No returns, monitor torque and drag, circulate 2-3 minutes before making connection. On drilling choke with pressure control set at 200 psi.
05:30	06:00	0.50	7,518.0	12 1/4	Rig Service	Rig Service	Routine rig service.

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	



Partner Drilling Report

Date: 4/19/2019

Report #: 10.0

Well Name: UTL 4546A-21 41H

DSS: 7.19

Lat: 31.66857600 Long: -103.21623900

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	



Partner Drilling Report

Date: 4/20/2019

Report #: 11.0

Well Name: UTL 4546A-21 41H

DSS: 8.19

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 4/29/2019 11:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 8,491.0 End Depth (TVD) (ftKB): 8,469.7 Daily Progress (ft): 681.00 Daily Drilling Hours (hr): 14.65 Date: 4/10/2019	Purpose: Intermediate 2 TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 4/19/2019 - 4/20/2019

Operations at Report Time
 Pumping calculated btms/up

Operations Summary
 Treat system for h2s, drill F/ 7,810' T/ 8,491' TD, Circulate prior to making short trip, short trip 23 stands, wash and ream all tight spots.

Operations Next Report Period
 POOH to run 9-5/8" casing, handle BHA, rig up and run 9-5/8" casing per tally.

Time Log							
Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	08:00	2.00	7,810.0	12 1/4	Condition mud & circulate	Circulate and Condition	H2S alarm went off at mud tanks. Shut in well, and muster, preformed a head count. All personal accounted for. KC safety was here and detected 32 ppm at mud tanks. Found that production water from pipe line had h2s in it. We stop transfer from reserve pit to mud tanks, and shut down production water pipe line. Set up mud tanks to work under air. Treat mud tanks and reserve pit with lime and h2s scavenger. KC safety staid on location monitoring intel zero h2s was detected. Water trucks hauling in fresh water to fill up reserve pit. Rotate and reciprocate pipe while treating system.
08:00	12:00	4.00	7,980.0	12 1/4	Drill	Drill - Actual	Drill 12-1/4" 1st intermediate section f/ 7,810' to 7,980' = 170' / 42.5 FPH ROT: 100% SLIDE: 0% WOB: 40-45 RPM: 30 GPM: 580 DIFF: 350-450 SPP: 2950-3050 TQ: 18K Off btm TQ: 4K MW: 8.4 / VIS 29 Formation: Brushy canyon No returns, monitor torque and drag, circulate 2-3 minutes before making connection. On drilling choke with pressure control set at 200 psi.
12:00	16:00	4.00	8,156.0	12 1/4	Drill	Drill - Actual	Drill 12-1/4" 1st intermediate section f/ 7,980' to 8,156' = 176' / 44 FPH ROT: 100% SLIDE: 0% WOB: 45-50 RPM: 30 GPM: 580 DIFF: 450-550 SPP: 3050-3200 TQ: 18K Off btm TQ: 4K MW: 8.4 / VIS 29 Formation: Brushy canyon No returns, monitor torque and drag, circulate 2-3 minutes before making connection. On drilling choke with pressure control set at 200 psi.
16:00	20:00	4.00	8,309.0	12 1/4	Drill	Drill - Actual	Drill 12-1/4" 1st intermediate section f/ 8,156' to 8,309' = 153' / 38.25 FPH ROT: 100% SLIDE: 0% WOB: 50-55 RPM: 30 GPM: 580 DIFF: 450-550 SPP: 3050-3200 TQ: 18K Off btm TQ: 4K MW: 8.4 / VIS 29 Formation: Brushy canyon No returns, monitor torque and drag, circulate 2-3 minutes before making connection. On drilling choke with pressure control set at 200 psi.
20:00	00:30	4.50	8,491.0	12 1/4	Drill	Drill - Actual	Drill 12-1/4" 1st intermediate section f/ 8,309' to 8,491' = 182' / 40.44 FPH ROT: 100% SLIDE: 0% WOB: 45-50 RPM: 30 GPM: 580 DIFF: 450-550 SPP: 3050-3200 TQ: 18K Off btm TQ: 4K MW: 8.4 / VIS 29 Formation: Cutoff No returns, monitor torque and drag, circulate 2-3 minutes before making connection. On drilling choke with pressure control set at 200 psi. SD: 8,422' INC 1.18° AZM 286.55° TVD 8,401' Above 8' / Left 15' TD 12-1/4" 1st inter section 4/20/19 00:30 at 8,491'.
00:30	01:00	0.50	8,491.0	12 1/4	Condition mud & circulate	Clean-up cycle	Circulate prior to making short trip. Rotate and reciprocate drill string. GPM: 645 SPP: 3180 RPM: 30 No returns



Partner Drilling Report

Date: 4/20/2019

Report #: 11.0

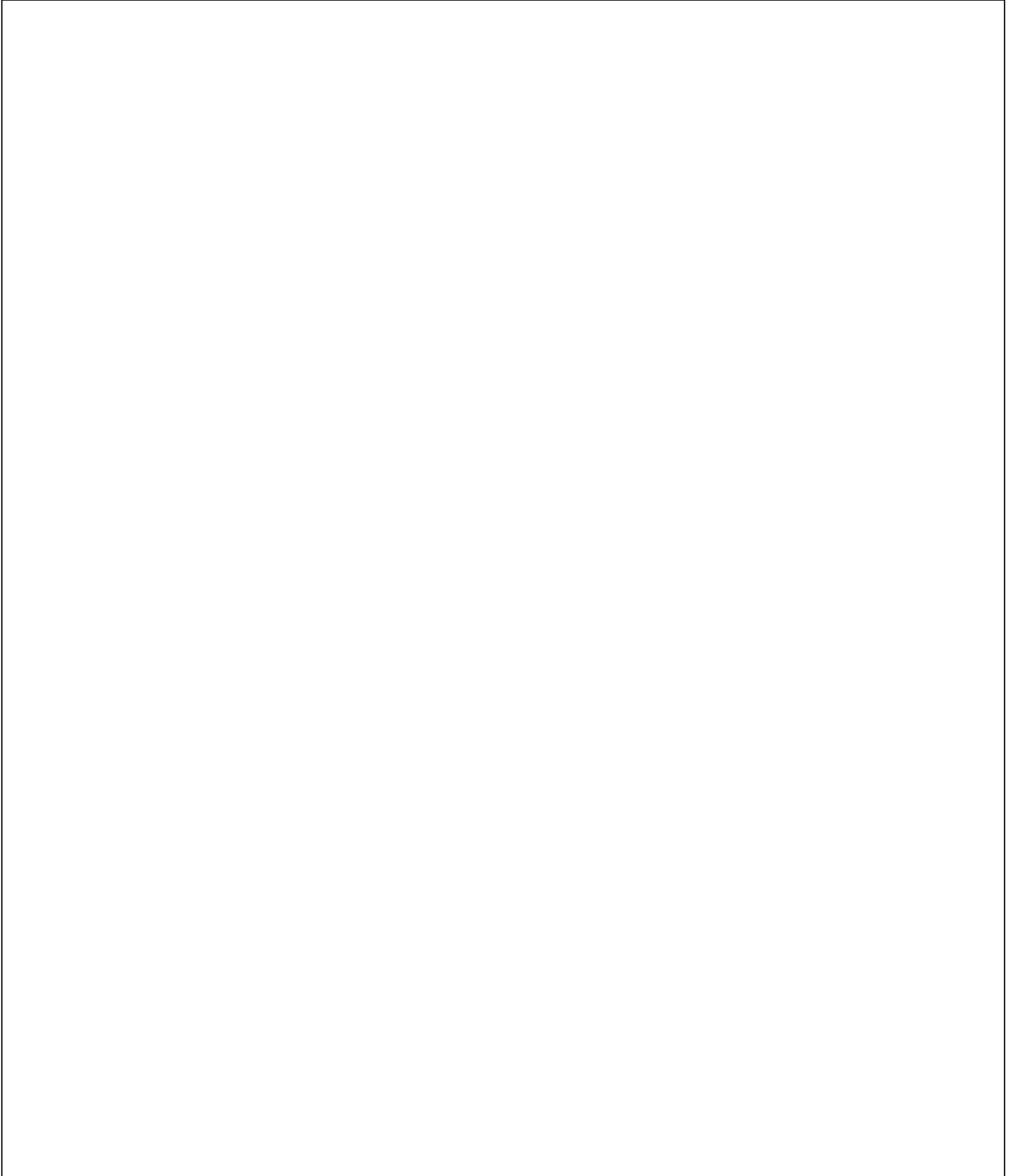
Well Name: UTL 4546A-21 41H

DSS: 8.19

Lat: 31.66857600 Long: -103.21623900

Time Log							
Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
01:00	05:30	4.50	8,491.0	12 1/4	Trips	Wiper Trip	Short trip 23 stands to 6,300' Pulled on elevators to F/8,491' T/7,430' pumping calculated down kill line with 8.4 fresh water, and holding back pressure with drilling choke. Pulled tight at 7,430' 40k overpull. Back ream F/7,430' T/7,200', 525-550 GPM, 30 RPM's, 5-18K torque, 2300 SPP. Pull on elevators F/7,200' to 6,300', two tight spots seen at 7,150 and 6,767' pump and rotate to clean up with same parameters. RIH on elevators F/ 6,300' T/8,490' tag up at 6,634', 6,731', 7,920', and 8,385' wash and ream with 550 GPM, 50 RPM's, 3-9K torque.
05:30	06:00	0.50	8,491.0	12 1/4	Condition mud & circulate	Clean-up cycle	Pump calculated bottoms up. Rotate and reciprocate drill string. GPM: 550 SPP: 2400 RPM: 50 TQ: 3-4K PU-235K SO-200K No returns

Casing Strings							
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	





Partner Drilling Report

Date: 4/21/2019

Report #: 12.0

DSS: 9.19

Well Name: UTL 4546A-21 41H

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 4/29/2019 11:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 8,491.0 End Depth (TVD) (ftKB): 8,469.7 Daily Progress (ft): 0.00 Daily Drilling Hours (hr): Date: 4/10/2019	Purpose: Intermediate 2 TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 4/20/2019 - 4/21/2019

Operations at Report Time
 Landing out casing.

Operations Summary
 Finish pumping calculated btms/up, POOH to 6,300', pump slug, POOH for csg, handle BHA, retrieve wear bushing, rig up csg tools, make up shoe track, run 9-5/8" csg per tally.

Operations Next Report Period
 Circulate 1.5 time csg cap, pump 2 stage cement job per design, install packoff and test same, install wear bushing, pick up BHA, TIH, drill out baffle and DV/packer tool, TIH, test casing, drill out cement and float equipment.

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	07:30	1.50	8,491.0	12 1/4	Condition mud & circulate	Clean-up cycle	Continue pump calculated bottoms up. Rotate and reciprocate drill string. GPM: 580 SPP: 2600 RPM: 50 TQ: 3-4K PU-235K SO-200K No returns.
07:30	13:30	6.00	8,491.0	12 1/4	Trips	Trip out of hole	TOOH to run 9-5/8" casing F/ 8,491' T/ 6,300' 10K over pull at 7,150'; work through with no issues, pump slug. Continue TOOH F/ 6,300' to BHA with no issues. Remove rotating head at 1,590' Pumping calculated hole fill with 8.4 PPG fresh water from trip tank. No flow observed during trip out.
13:30	14:30	1.00	8,491.0	12 1/4	Trips	Lay down BHA	Hold PJSM & handle 12-1/4" BHA Rack back 8" DC, pull MWD tool, drain motor, bit would not break, rack back in derrick. Motor drained good with no noticeable issues. Bit grade: 1-3-WT.
14:30	15:30	1.00	8,491.0	12 1/4	Other	Other	Retrieve wear bushing. install trip nipple. Clean & ready rig floor for casing run.
15:30	16:30	1.00	8,491.0	12 1/4	Run casing & cement	Rig up/down to run casing	Hold PJSM with casing specialties and rig up.
16:30	06:00	13.50	8,491.0	12 1/4	Run casing & cement	Run casing	Make up shoe track and test floats (good test) Run 9-5/8", 40#, J-55, LT&C casing per tally. Reaper Reamer shoe @ 8,473', top @ 8,470.3' 1 jt 9-5/8", 40#, J-55, LT&C Float collar @ 8,426.8'; top @ 8,425.5' 77 jt 9-5/8", 40#, J-55, LT&C (Baffle Plate @ 5,193.2') Packer/DV tool @ 5,092' top @ 5,089.1' 1 pup jt 9-5/8", 40#, J-55, LT&C 117 jt 9-5/8", 40#, J-55, LT&C Land out with Cactus hanger Torque connections to 13,000 ft-lbs Thread rep and torque turn used. Run bow spring centralizers 1-10' above reamer shoe, 1-10' above float collar, 2 bow spring centralizers on next two joint. Filling casing with CRT every 2,000'.

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0	





Partner Drilling Report

Date: 4/22/2019

Report #: 13.0

Well Name: UTL 4546A-21 41H

DSS: 10.19

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 4/29/2019 11:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 8,491.0 End Depth (TVD) (ftKB): 8,469.7 Daily Progress (ft): 0.00 Daily Drilling Hours (hr): Date: 4/10/2019	Purpose: Intermediate 2 TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 4/21/2019 - 4/22/2019

Operations at Report Time
 Installing annular cap.

Operations Summary
 Circulate 1.5 time csg cap, pump 2 stage cement job per design, rig down cement crew, troubleshoot annular not opening, install packoff and test same, nipple down to change out annular element, change out element.

Operations Next Report Period
 Nipple up, test annular, install wear bushing, pick up 8-3/4" vertical assembly, TIH, drill out DV tool and baffle, test casing, TIH, drill out float equipment, drill 2nd intermediate section.

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	06:30	0.50	8,491.0	12 1/4	Run casing & cement	Run casing	Pick up landing joint and wash down. Land out 9-5/8" casing, 240K set in tension No packoff issues.
06:30	07:00	0.50	8,491.0	12 1/4	Run casing & cement	Rig up/down to run casing	Hold PJSM and rig down casing specialties.
07:00	09:00	2.00	8,491.0	12 1/4	Condition mud & circulate	Circulate and Condition	Circulate casing capacity @ 8 bpm, 450 psi. Got returns 120 bbls into circulating. Circulate through full open choke. While circulating hold PJSM w/ Compass cement crew.
09:00	13:30	4.50	8,491.0	12 1/4	Run casing & cement	Cement	Pump 1st stage of cement job as follows: - Pressure test lines to 3,500 psi. - Pump 20 bbls of Gel Spacer @ 8.6 ppg @ 3 bpm, 450 psi. - Pump 530 sxs (297 bbls) of Lead Cement @ 11 ppg, 3.15 yld, 18.86 gal/sks @ 6 bpm, 600 psi. - Pump 385 sxs (87 bbls) of 15 ppg Tail Cement, 1.27 yld, 5.72 gal/sks @ 4 bpm, 400 psi. - Drop plug-dart and displace with 240 bbls of reserve water @ 8 bpm, 370 psi. - Pumped to 40 bbls of fresh water across DV tool @ 8 bpm, 380 psi. - Pumps 359 bbls of reserve water @ 8 bpm, 750 psi, slowed down to 4 bpm, 950 psi. - Bump plug, Pressure up to 1450 psi. total displacement 639 bbls. - Stage up in 300 psi increments to set packer, Packer opened @ 2100 psi, pressure dropped 160 psi to 1940 psi. - Bled back to bump pressure, 1 bbl back, packer took .25 bbls to inflate, bled back to 0 psi, 3.5 bbls back. - floats held. Drop bomb, wait 30 min. pump up to 710 psi opening DV tool. - Pump 20 bbls with cement truck to ensure no restrictions - No cement to surface. Note: Driver side pump on cement truck lost prime when pumping lead cement. Mobilize new truck for 2nd stage.
13:30	14:30	1.00	8,491.0	12 1/4	Run casing & cement	Cement	Circulate bottoms up. No cement off top of DV tool. Note: Annular wouldn't open. Note: Secondary cement truck arrived on location. Tie in and use for 2nd stage.
14:30	15:30	1.00	8,491.0	12 1/4	Rig Repair	Downtime - BOP/choke	Troubleshoot annular. function at different pressure with no success. Still wouldn't fully open. decision was made to pump 2nd stage.
15:30	18:30	3.00	8,491.0	12 1/4	Run casing & cement	Cement	Pump 2nd stage of cement job as follows: - Pressure test lines and new truck to 3,500 psi. - Pump 40 bbls of Gel Spacer @ 8.6 ppg @ 4 bpm, 520 psi. - Pump 1515 sxs (764 bbls) of Lead Cement @ 11.8 ppg, 2.83 yld, 16.48 gal/sks @ 9 bpm, 850 psi. - Pump 50 sxs (12 bbls) of 14.8 ppg Tail Cement, 1.33 yld, 6.33 gal/sks @ 4 bpm, 350 psi. - Drop closing plug and displace with 340 bbls of reserve water @ 8 bpm, 980 psi. - Slow rate to 4 bpm, the last 46 bbls, FCP 850 psi. - Bump plug, Pressure up to 2350 psi. Hold for 3 minutes total displacement 386 bbls. - Bled back 3.5 bbls. Full returns throughout 2nd stage. No spacer or cement back to surface.
18:30	19:00	0.50	8,491.0	12 1/4	Run casing & cement	Rig up/down to run casing	Rig down cementers. Drain stack and flush.
19:00	22:00	3.00	8,491.0	12 1/4	Rig Repair	Downtime - BOP/choke	Back out landing joint and attempt to open annular. After several attempts functioning and pulling, annular finally fully opened. Decision was made to change out annular element.
22:00	00:00	2.00	8,491.0	12 1/4	Other	Other	Land down landing joint, pick up wash tool and wash top of hanger. Set packoff, test upper seals and pull test to 40K. Slack off and test to 5000 psi for 15 minutes. Good test. Land down running tool.
00:00	04:30	4.50	8,491.0	12 1/4	Rig Repair	Downtime - BOP/choke	Prep for element change out, shut blind rams, nipple down flow line, rotating head bowl and orbit valve, remove mouse hole, and drilling choke hoses. Remove cap on annular. Inspect element and seal, both in good condition no sign of oil leaking by. Compared old element with new. ID of old at 13-3/4". ID of new at 14-1/4"
04:30	06:00	1.50	8,491.0	12 1/4	Rig Repair	Downtime - BOP/choke	Install new seals and element.

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0	



Partner Drilling Report

Date: 4/23/2019

Report #: 14.0

Well Name: UTL 4546A-21 41H

DSS: 11.19

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 4/29/2019 11:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 8,665.0 End Depth (TVD) (ftKB): 8,643.6 Daily Progress (ft): 174.00 Daily Drilling Hours (hr): 2.50 Date: 4/10/2019	Purpose: Intermediate 2 TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 4/22/2019 - 4/23/2019

Operations at Report Time
 Drilling 8-3/4" 2nd intermediate section @ 8,665'

Operations Summary
 Test annular, Nipple up, install wear bushing, pick up 8-3/4" vertical assembly, service rig, TIH, drill out DV tool and baffle, TIH, test casing, Slip and cut drill line, drill out float equipment, drill 2nd intermediate section.

Operations Next Report Period
 Drill 8-3/4" 2nd intermediate section as per directional plan #1 to ~10,563'

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	07:30	1.50	8,491.0	12 1/4	Rig Repair	Downtime - BOP/choke	Make up test joint and set in wellhead. Function test Annular. Fill stack with fresh water and rig up test crew. Hold JPSM and test Annular, 250 psi low for 5 minutes, 3500 psi high for 5 minutes. Rig down testers, pull test plug and lay down test joint.
07:30	13:30	6.00	8,491.0	12 1/4	Rig Repair	Downtime - BOP/choke	Nipple up flow line, rotating head bowl, orbit valve, and drilling choke hoses. Function test same and check for leaks. install mouse hole. Off Rig NPT
13:30	14:00	0.50	8,491.0	12 1/4	Other	Other	Install Wear bushing.
14:00	16:30	2.50	8,491.0	12 1/4	Trips	Pick up BHA	P/U 8-3/4" BHA #5 as followed: - 8.75" Smith XS616 (6x12's, 0.663 TFA) - 7" Cathedral 8:9 4.3 FBH @ 1.15° 0.15 rev w/ 8.25" NBS - 6.75" float sub - 8.75" Roller reamer - UBHO (550 – 750) flow range - 6.75" NMDC, tool carrier - 6.75" NMDC - X/O - 45 jt 4.5" HWDP - X/O Surface test MWD, good test
16:30	17:00	0.50	8,491.0	12 1/4	Rig Service	Rig Service	Routine rig service.
17:00	20:00	3.00	8,491.0	12 1/4	Trips	Trip in hole	TIH F/ 110' T/ 5,092' Remove trip nipple Install rotating head after 1,500 Filling pipe every 30 stands Proper displacement.
20:00	22:00	2.00	8,491.0	12 1/4	Drill	Drill cement/drill out cement/drill float&shoe	Drill out DV tool and Baffle plate. WOB: 5-13K GPM: 450-500 SPP: 1500-1800 TD RPM: 30-40 TQ: 4-7K Tagged on depth. DV tool @ 5, 092' Baffle @ 5,193'
22:00	00:00	2.00	8,491.0	12 1/4	Trips	Trip in hole	TIH F/ 5,193' T/ 8,415' Filling pipe every 30 stands Proper displacement.
00:00	00:30	0.50	8,491.0	12 1/4	Run casing & cement	Pressure test CSG/shoe	Perform casing test 1,500 psi for 30 minutes.
00:30	02:00	1.50	8,491.0	12 1/4	Cut off Drill Line	Slip/Cut drilling line	Slip and cut drill line.
02:00	03:30	1.50	8,491.0	12 1/4	Drill	Drill cement/drill out cement/drill float&shoe	Wash down to top of float collar and drill out float equipment. WOB: 5-13K GPM: 500 SPP: 2500 TD RPM: 30-40 TQ: 5-9K Tagged on depth. Float collar @ 8,425' Reamer shoe @ 8,473'
03:30	06:00	2.50	8,665.0	8 3/4	Drill	Drill - Actual	Drill 8-3/4" 2nd intermediate section f/ 8,491' to 8,665' = 174' / 69.6 FPH ROT: 100% SLIDE: 0% WOB: 20-40 RPM: 30 GPM: 550-600 DIFF: 300 SPP: 3450 TQ: 8-12K Off btm TQ: 4K MW: 8.4 / VIS 29 / PH 11 Formation: Cutoff No flow on connections. Sample @ 8,600 85% shale, 15% limestone.

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0	



Partner Drilling Report

Date: 4/24/2019

Report #: 15.0

Well Name: UTL 4546A-21 41H

DSS: 12.19

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 4/29/2019 11:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 9,208.0 End Depth (TVD) (ftKB): 9,186.5 Daily Progress (ft): 533.00 Daily Drilling Hours (hr): 6.88 Date: 4/10/2019	Purpose: Intermediate 2 TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 4/23/2019 - 4/24/2019

Operations at Report Time

TOOH for BHA

Operations Summary

Drill t/ 8,675', perform clean up cycle, TOOH for BHA, trouble shoot wear bushing & koomey lines, P/U new BHA, TIH, drill f/ 8,675' t/ 9,208', drop in ROP, circulate hole clean, pump slug and begin TOOH

Operations Next Report Period

Change out BHA, TBIH & Drill 8-3/4" 2nd intermediate section as per directional plan #1 to ~10,480'

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	07:00	1.00	8,675.0	8 3/4	Drill	Drill - Actual	Drill 8-3/4" 2nd intermediate section f/ 8,665' to 8,675' = 10' / 10 FPH ROT: 100% SLIDE: 0% WOB: 20-40 RPM: 30 GPM: 550-600 DIFF: 150 SPP: 2850 TQ: 8-12K Off btm TQ: 4K MW: 9.4 / VIS 29 / PH 11 Formation: 1st BSLM Sample @ 8,600 85% shale, 15% limestone. Decision made to TOOH for ROP
07:00	08:00	1.00	8,675.0	8 3/4	Condition mud & circulate	Clean-up cycle	Circulate hole clean Pumped hi vis sweep back to surface Flow check - static
08:00	11:30	3.50	8,675.0	8 3/4	Trips	Trip out of hole	TOOH f/ 8675' t/ BHA Pull rotating head at 1220', install trip nipple
11:30	12:30	1.00	8,675.0	8 3/4	Trips	Lay down BHA	Rack back BHA, pull MWD tool, drain motor & break bit
12:30	15:00	2.50	8,675.0	8 3/4	Rig Repair	Downtime - Other	Replace koomey lines damaged by falling wear bushing. Wear bushing was latched onto bottom of BHA when pulled to surface, fell free damaging lines. No spare koomey lines on location resulted in downtime waiting on replacements. Function tested koomey after installing new lines.
15:00	15:30	0.50	8,675.0	8 3/4	Other	Other	Re-installed wear bushing
15:30	16:30	1.00	8,675.0	8 3/4	Trips	Pick up BHA	M/U new BHA components - 8-3/4" Smith XS616S (6x12 0.663 TFA) - 7" Cathedral 8943 1.15 deg w/ 8.25 NBS 0.15 rev - Float sub - 8-3/4" Roller Reamer - UBHO (450-600 GPM) - NMDC TC - NMDC - XO - 15 stands 4-1/2" HWDP - XO Good surface MWD test
16:30	20:30	4.00	8,675.0	8 3/4	Trips	Trip in hole	TIH f/ BHA t/ 8675' Monitoring displacement on trip tanks
20:30	03:00	6.50	9,175.0	8 3/4	Drill	Drill - Actual	Drill 8-3/4" 2nd intermediate section f/ 8,675' to 9,175' = 500' / 77 FPH ROT: 100% SLIDE: 0% WOB: 20-35 RPM: 30 GPM: 500-550 DIFF: 150-300 SPP: 2850-3050 TQ: 6-10K Off btm TQ: 4K MW: 9.6 / VIS 30 / PH 12 Formation: 1st BSLM Sample @ 9,100': 95% LS, 5% SH Survey: SD 9110' INC 1.77 AZM 284.28 TVD 9088 DLS 1.02 Above 15 Left -29 SPR's: @ 8,889' w/ 9.6 ppg MW MP1: 20-200/30-320/40-440 MP2: 20-200/30-300/40-420
03:00	03:30	0.50	9,175.0	8 3/4	Rig Service	Rig Service	Rig service Flow check during rig service - no flow



Partner Drilling Report

Date: 4/24/2019

Report #: 15.0

Well Name: UTL 4546A-21 41H

DSS: 12.19

Lat: 31.66857600 Long: -103.21623900

Time Log							
Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
03:30	04:45	1.25	9,208.0	8 3/4	Drill	Drill - Actual	Drill 8-3/4" 2nd intermediate section f/ 9,175' to 9,208' = 33' / 22 FPH ROT: 100% SLIDE: 0% WOB: 35-50 RPM: 30 GPM: 515 DIFF: 50-100 SPP: 2600 TQ: 6K Off btm TQ: 4K MW: 9.6 / VIS 30 / PH 12 Formation: 1st BSLM Sample @ 9,100': 95% LS, 5% SH/Chert Survey: SD 9110' INC 1.77 AZM 284.28 TVD 9088 DLS 1.02 Above 15 Left -29 After drop in ROP from ~110 fph t/ ~20 fph over 50', samples indicated chert present in formation. Torque became erratic and lost all differential. Suspected bit damage. Decision made to TOOH for BHA
04:45	06:00	1.25	9,208.0	8 3/4	Condition mud & circulate	Clean-up cycle	Pump hi vis sweep around Build slug while circulating hole clean Perform flow check, pump slug & begin TOOH

Casing Strings								
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)	
Conductor	20	94.00	H-40	Weld on	25.0	129.0		
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5		
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8		
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0		



Partner Drilling Report

Date: 4/25/2019

Report #: 16.0

Well Name: UTL 4546A-21 41H

DSS: 13.19

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 4/29/2019 11:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 9,615.0 End Depth (TVD) (ftKB): 9,593.0 Daily Progress (ft): 407.00 Daily Drilling Hours (hr): 14.00 Date: 4/10/2019	Purpose: Intermediate 2 TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 4/24/2019 - 4/25/2019

Operations at Report Time
 Drilling 8-3/4" 2nd intermediate section @ 9,615'

Operations Summary
 TOO H, change out BHA, TBIH, drill f/ 9,208' t/ 9615', sliding in 1st BSSD as needed to achieve plan

Operations Next Report Period
 Drill 8-3/4" 2nd intermediate section as per directional plan #1 to ~10,500' for CSP inside 3rd BSLM

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	06:30	0.50	9,208.0	8 3/4	Condition mud & circulate	Clean-up cycle	Finish clean up cycle Flow check - static Pump slug Begin TOO H
06:30	10:00	3.50	9,208.0	8 3/4	Trips	Trip out of hole	TOO H f/ 9208' t/ BHA
10:00	10:30	0.50	9,208.0	8 3/4	Trips	Lay down BHA	Handle BHA Break off bit, lay down motor 8-3/4" Smith XS616 Drilled 8,675' - 9,208' = 533' 8-3-CR-N-X-IN-BT-PR
10:30	11:30	1.00	9,208.0	8 3/4	Trips	Pick up BHA	Handle BHA P/U new bit & motor & test MWD - 8-3/4" Smith Z619 (6x12 .66 TFA) - 7" BICO SSS50 7832 FBH 1.5 deg 0.18 rev w/ 8" NBS - Float sub - 8-3/4" Roller Reamer - UBHO (450 - 600 GPM) - 6-3/4" NMDC TC - 6-3/4" NMDC - XO - 15 stands 4-1/2" HWDP - XO Good MWD test
11:30	15:30	4.00	9,208.0	8 3/4	Trips	Trip in hole	TIH f/ BHA t/ 9,208'
15:30	02:30	11.00	9,548.0	8 3/4	Drill	Drill - Actual	Drill 8-3/4" 2nd intermediate section f/ 9,208' to 9,548' = 340' / 31 FPH ROT: 93% SLIDE: 7% WOB: 35 RPM: 30 GPM: 500 DIFF: 100-300 SPP: 2600 TQ: 8k Off btm TQ: 4K MW: 9.6 / VIS 30 / PH 12 Formation: 1st BSLM Sample @ 9,450': 70% LS, 30% SH Survey: SD 9391' INC 3.27 AZM 228.77 TVD 9,369' DLS 0.44 Below -39 Left -8
02:30	03:00	0.50	9,548.0	8 3/4	Rig Service	Rig Service	Rig service SPR's: @ 9548' w/ 9.5 ppg MW MP1: 20-160/30-260/40-380 MP2: 20-160/30-240/40-380
03:00	06:00	3.00	9,615.0	8 3/4	Drill	Drill - Actual	Drill 8-3/4" 2nd intermediate section f/ 9,548' to 9,615' = 67' / 22 FPH ROT: 60% SLIDE: 40% WOB: 35 RPM: 0-30 GPM: 450-650 DIFF: 100-300 SPP: 2600 TQ: 8k Off btm TQ: 4K MW: 9.6 / VIS 30 / PH 12 Formation: 1st BSSD Sample @ 9,500': 90% LS, 10% SH Survey: SD 9391' INC 3.27 AZM 228.77 TVD 9,369' DLS 0.44 Below -39 Left -8 Sliding to prevent walking tendency to the west. Very ratty sliding despite being in 1st BSSD. Tweaked flow rate in an attempt to manage tool faces.

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0	



Partner Drilling Report

Date: 4/26/2019

Report #: 17.0

Well Name: UTL 4546A-21 41H

DSS: 14.19

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 4/29/2019 11:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 10,050.0 End Depth (TVD) (ftKB): 10,027.8 Daily Progress (ft): 435.00 Daily Drilling Hours (hr): 12.00 Date: 4/10/2019	Purpose: Intermediate 2 TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 4/25/2019 - 4/26/2019

Operations at Report Time
 Drilling 8-3/4" 2nd intermediate section @ 10,050'

Operations Summary
 TOO H f/ 9,615' for BHA, change out BHA, TBIH, drill rotate/slide f/ 9,615' t/ 10,050'

Operations Next Report Period
 Drill 8-3/4" 2nd intermediate section as per directional plan #2 to KOP and begin building 8-3/4" curve to 30 deg

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	07:00	1.00	9,615.0	8 3/4	Drill	Drill - Actual	Drill 8-3/4" 2nd intermediate section f/ 9,599' to 9,615' = 16' / 16 FPH ROT: 50% SLIDE: 50% WOB: 35 RPM: 0-30 GPM: 450-650 DIFF: 100-300 SPP: 2600 TQ: 8k Off btm TQ: 4K MW: 9.6 / VIS 30 / PH 12 Formation: 1st BSSD Sample @ 9,500': 90% LS, 10% SH Survey: SD 9391' INC 3.27 AZM 228.77 TVD 9,369' DLS 0.44 Below -39 Left -8 ROP dropped & MSE increased after sliding interval. Decision made to TOO H for new bit/BHA
07:00	08:00	1.00	9,615.0	8 3/4	Condition mud & circulate	Clean-up cycle	Circulate hole clean Flow check - static Pump slug and begin TOO H
08:00	11:30	3.50	9,615.0	8 3/4	Trips	Trip out of hole	TOO H t/ BHA
11:30	12:00	0.50	9,615.0	8 3/4	Trips	Lay down BHA	Rack back BHA components Break bit, lay down motor Smith Z619 Drilled 9208' - 9615' = 407' 2-2-BT-A-X-IN-WT-PR
12:00	12:30	0.50	9,615.0	8 3/4	Rig Service	Rig Service	Rig service
12:30	13:30	1.00	9,615.0	8 3/4	Waiting on	W/O Third Party Tools	Wait on BICO motor delivery to location While waiting, tested MWD (good test)
13:30	14:30	1.00	9,615.0	8 3/4	Trips	Pick up BHA	Handle BHA Pick up new motor & bit - 8-3/4" Ulterra CF716 (7x11 0.65 TFA) - 7" BICO SS50 7832 FBH 1.83 deg w/ 8.25" NBS 0.18 rev - Float sub - 8-3/4" Roller reamer - UBHO (450-600 GPM) - NMDC TC - NMDC - XO - 15 stands HWDP - XO
14:30	19:00	4.50	9,615.0	8 3/4	Trips	Trip in hole	TIH f/ BHA t/ 9615'
19:00	06:00	11.00	10,050.0	8 3/4	Drill	Drill - Actual	Drill 8-3/4" 2nd intermediate section f/ 9,615' to 10,050' = 435' / 40 FPH ROT: 71% (AROP 75 fph) SLIDE: 29% (AROP 25 fph) WOB: 35 RPM: 0-40 GPM: 500 DIFF: 100-300 SPP: 2800 TQ: 8k Off btm TQ: 4K MW: 9.6 / VIS 30 / PH 12 Formation: 2nd BSLM Sample @ 9,950': 15% LS, 85% SH Survey: SD 9863' INC 1.35 AZM 219.5 TVD 9840' DLS 0.49 Below -0.60 Left -2

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0	



Partner Drilling Report

Date: 4/27/2019

Report #: 18.0

Well Name: UTL 4546A-21 41H

DSS: 15.19

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 4/29/2019 11:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 10,293.0 End Depth (TVD) (ftKB): 10,270.7 Daily Progress (ft): 243.00 Daily Drilling Hours (hr): 9.00 Date: 4/10/2019	Purpose: Intermediate 2 TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 4/26/2019 - 4/27/2019

Operations at Report Time

Slip/cut drilling line

Operations Summary

Drill rotate/slide f/ 10,050' t/ 10,293', unable to maintain tool faces to begin curve section, CBU, TOOH for BHA & bit, TBIH t/ 8428', slip/cut

Operations Next Report Period

Drill 8-3/4" 2nd intermediate section as per directional plan #2 to KOP and begin building 8-3/4" curve to 30 deg

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	12:00	6.00	10,233.0	8 3/4	Drill	Drill - Actual	Drill 8-3/4" 2nd intermediate section f/ 10,050' to 10,233' = 183' / 31 FPH ROT: 45% SLIDE: 55% WOB: 35 RPM: 0-40 GPM: 500 DIFF: 100-300 SPP: 2800 TQ: 8k Off btm TQ: 4K MW: 9.6 / VIS 30 / PH 12 Formation: 2nd BSLM Sample @ 10,200': 95% LS, 5% SH Survey: SD 10146' INC 1.38 AZM 226.54 TVD 10123' DLS 0.23 Below -2 Left -3
12:00	12:30	0.50	10,233.0	8 3/4	Condition mud & circulate	Circulate and Condition	Circulate while discussing plan forward
12:30	15:00	2.50	10,278.0	8 3/4	Drill	Drill - Actual	Drill 8-3/4" 2nd intermediate section f/ 10,233' to 10,278' =45' / 18 FPH ROT: 0% SLIDE: 100% WOB: 35 RPM: 0 GPM: 500 DIFF: 100-300 SPP: 2800 TQ: 8k Off btm TQ: 4K MW: 9.6 / VIS 30 / PH 12 Formation: 2nd BSLM Sample @ 10,200': 95% LS, 5% SH Survey: SD 10146' INC 1.38 AZM 226.54 TVD 10123' DLS 0.23 Below -2 Left -3
15:00	17:00	2.00	10,278.0	8 3/4	Condition mud & circulate	Circulate and Condition	Circulate while discussing plan forward
17:00	17:30	0.50	10,293.0	8 3/4	Drill	Drill - Actual	Drill 8-3/4" 2nd intermediate section f/ 10,278' to 10,293' = 15' / 30 FPH ROT: 0% SLIDE: 100% WOB: 35 RPM: 0 GPM: 500 DIFF: 100-300 SPP: 2800 TQ: 8k Off btm TQ: 4K MW: 9.6 / VIS 30 / PH 12 Formation: 2nd BSLM Sample @ 10,200': 95% LS, 5% SH Survey: SD 10146' INC 1.38 AZM 226.54 TVD 10123' DLS 0.23 Below -2 Left -3 Decision made to TOOH for BHA due to tool face control
17:30	18:30	1.00	10,293.0	8 3/4	Condition mud & circulate	Clean-up cycle	Circulate bottoms up Flow check - static Pump slug & begin TOOH for BHA
18:30	22:00	3.50	10,293.0	8 3/4	Trips	Trip out of hole	TOOH f/ 10,293' t/ BHA
22:00	23:30	1.50	10,293.0	8 3/4	Trips	Lay down BHA	Handle BHA Rack back NMDC's Pull MWD tool Break off bit & lay down motor Ulterra CF716 Drilled 678' 1-1-BT-N-X-0-WT-BHA Motor drained well, no issues



Partner Drilling Report

Date: 4/27/2019

Report #: 18.0

Well Name: UTL 4546A-21 41H

DSS: 15.19

Lat: 31.66857600 Long: -103.21623900

Time Log							
Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
23:30	01:00	1.50	10,293.0	8 3/4	Trips	Pick up BHA	Handle BHA Pick up new motor, bit & MWD tool Surface test MWD - good test - 8-3/4" Baker Kymera KM524 (1x18, 3x14 0.7 TFA) - 6-3/4" Texas Dyno Pro 4570 FBH 2.0 deg 0.5 rev w/ 8-1/2" NBS - Float Sub - UBHO (450-600 GPM) - NMDC TC - NMDC - XO - 15 stands HWDP - XO
01:00	05:00	4.00	10,293.0	8 3/4	Trips	Trip in hole	TIH f/ BHA t/ 8428' Remove trip nipple, install rotating head
05:00	06:00	1.00	10,293.0	8 3/4	Cut off Drill Line	Slip/Cut drilling line	Slip/cut drilling line

Casing Strings								
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)	
Conductor	20	94.00	H-40	Weld on	25.0	129.0		
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5		
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8		
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0		



Partner Drilling Report

Date: 4/28/2019

Report #: 19.0

Well Name: UTL 4546A-21 41H

DSS: 16.19

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 4/29/2019 11:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 10,815.0 End Depth (TVD) (ftKB): 10,753.4 Daily Progress (ft): 522.00 Daily Drilling Hours (hr): 14.00 Date: 4/10/2019	Purpose: Intermediate 2 TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 4/27/2019 - 4/28/2019

Operations at Report Time
 Rigging up casing crew for casing ops

Operations Summary
 Build 8-3/4" curve section f/ 10,293' t/ 10815' to 30 deg inclination, circulate hole clean, pump slug and TOOH, handle BHA, pull wear bushing, clear floor & rig service, begin R/U casing crews

Operations Next Report Period
 Run 7-5/8" 29.7# UPSF L-80 casing per tally to set depth of 10,797'

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	06:30	0.50	10,293.0	8 3/4	Cut off Drill Line	Slip/Cut drilling line	Slip/cut drilling line
06:30	07:30	1.00	10,293.0	8 3/4	Trips	Trip in hole	TIH f/ 8,428' t/ 10,293' Wash last stand to bottom
07:30	21:30	14.00	10,815.0	8 3/4	Drill	Drill - Actual	Drill 8-3/4" 2nd intermediate section f/ 10,293' to 10,815' = 522' / 37 FPH ROT: 50% SLIDE: 50% WOB: 35 RPM: 0-20 GPM: 500-550 DIFF: 100-300 SPP: 3500 TQ: 8k Off btm TQ: 4K MW: 9.6 / VIS 30 / PH 12 Formation: 3rd BSLM Sample @ 10,800': 90% LS, 10% SH Survey: SD 10761' INC 30.73 AZM 72.2 TVD 10707' DLS 1.66 Above 20' Right 14' SPR's @ 10,484' w/ 9.6 ppg MW: MP1: 20-275/30-350/40-500 MP2: 20-240/30-340/40-485 TD 8-3/4" curve section at 30 deg inclination for casing run
21:30	22:30	1.00	10,815.0	8 3/4	Condition mud & circulate	Clean-up cycle	Circulate hole clean 600 GPM, 40 TDRPM, 3500 SPP
22:30	23:00	0.50	10,815.0	8 3/4	Trips	Trip out of hole	Pull 5 stands wet off bottom through curve section P/U 270-290, no overpull seen through curve Flow check - static Pump dry job Begin TOOH
23:00	03:00	4.00	10,815.0	8 3/4	Trips	Trip out of hole	TOOH t/ BHA Pull rotating head last stand of HWDP & rack back
03:00	04:00	1.00	10,815.0	8 3/4	Trips	Lay down BHA	Drain motor, break off bit & lay down motor Pull MWD tool & rack back collars 8-3/4" Baker KM524 Drilled 522' 1-5-BT-S-X-0-WT-TD
04:00	05:00	1.00	10,815.0	8 3/4	Other	Other	P/U joint & M/U to wear bushing puller Pull wear bushing Send wear bushing off floor Break off joint & L/D Break off XO f/ puller for CRT back to top drive
05:00	05:30	0.50	10,815.0	8 3/4	Rig Service	Rig Service	Rig service Clear floor all unnecessary items Send float equipment & misc tools to floor Install trip nipple
05:30	06:00	0.50	10,815.0	8 3/4	Run casing & cement	Rig up/down to run casing	Rig up casing crew

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0	



Partner Drilling Report

Date: 4/29/2019

Report #: 20.0

DSS: 17.19

Well Name: UTL 4546A-21 41H

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 4/29/2019 11:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 10,815.0 End Depth (TVD) (ftKB): 10,753.4 Daily Progress (ft): 0.00 Daily Drilling Hours (hr): Date: 4/10/2019	Purpose: Intermediate 2 TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 4/28/2019 - 4/29/2019

Operations at Report Time
 Clear rig floor, prep to back out landing joint & set pack off

Operations Summary
 Rig up casing crew, M/U shoe track & test floats, RIH w/ 7-5/8" UPSF 29.7# L-80 casing per tally, filling on the fly, breaking circulation every 2500', monitoring returns, land out per tally at 10,797', R/D casing equipment, circulating 1x casing capacity, R/U cementers, perform cement job, test casing to 1500 psi for 30 min, rig down cementers

Operations Next Report Period
 Back out L/J, install packoff & test, N/D BOPE & prep for skid ops to UTL 4546B-21 51H

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	06:30	0.50	10,815.0	8 3/4	Run casing & cement	Rig up/down to run casing	Rig up casing crew equipment
06:30	07:00	0.50	10,815.0	8 3/4	Safety meeting	Pre-job safety	Hold PJSM w/ casing crew, thread rep & rig crew
07:00	00:00	17.00	10,815.0	8 3/4	Run casing & cement	Run casing	M/U shoe track & thread lock float equipment Test floats at 150 gpm - good test RIH w/ 7-5/8" UPSF 29.7# L-80 casing per tally to set depth of 10,797' @ 75 fpm Filling on fly, breaking circulation every 2500' @ 200 GPM, monitoring returns Casing landed w/ no issues noticed w/ wellbore
00:00	02:00	2.00	10,815.0	8 3/4	Condition mud & circulate	Circulate and Condition	Circulate casing capacity @ 200 GPM monitoring returns Steady G/L during circulation Gas units up to 7000 units upon bottoms up, no flare, no gains Rigged down casing crews Rigged up cement iron Held PJSM w/ cementers, rig crew & cactus tech
02:00	05:00	3.00	10,815.0	8 3/4	Run casing & cement	Cement	Pump 3 bbl FW to fill lines - pressure test lines to 5000 psi - good test Mix & pump 40 bbl gel spacer @ 8.4 ppg, 5 bpm Mix & pump 194 bbl (345 sx) lead cement @ 11 ppg, 5-6 bpm Mix & pump 26 bbl (115 sx) tail cement @ 15 ppg, 5-6 bpm Shut down, drop plug (DSM verified) Displace cement w/ 493 bbl @ 9 ppg brine, 5-7 bpm Slow rate last 20 bbl to 3 bpm Bumped plug on calculated volume FCP: 1500 psi Bump: 500 psi to 2000 psi Floats held 5 mins Bleed back: 3 bbl Cement to surface: 30 bbl Note: full returns throughout job
05:00	05:30	0.50	10,815.0	8 3/4	Run casing & cement	Pressure test CSG/shoe	Confirm well static Pressure up to 1500 psi w/ cement trucks for 30 mins
05:30	06:00	0.50	10,815.0	8 3/4	Run casing & cement	Rig up/down to run casing	Rig down cement iron & remaining casing extensions & CRT

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0	
Intermediate	7 5/8	29.70	L-80	UPSF	25.0	10,797.6	7,767.2



Partner Drilling Report

Date: 4/29/2019

Report #: 21.0

DSS: 17.42

Well Name: UTL 4546A-21 41H

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 4/29/2019 11:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 10,815.0 End Depth (TVD) (ftKB): 10,753.4 Daily Progress (ft): 0.00 Daily Drilling Hours (hr): Date: 4/10/2019	Purpose: Intermediate 2 TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 4/29/2019 - 4/29/2019

Operations at Report Time Skidded to UTL 4546B-21 51H
Operations Summary Rig down cementers, back out landing joint, install pack off & test, N/D BOPE, install night cap, skid rig to UTL 4546B-21 51H
Operations Next Report Period UTL 4546B-21 51H

Time Log							
Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	09:00	3.00	10,815.0	8 3/4	Other	Other	Back out landing joint per Cactus tech Lay out casing extension bails, CRT & elevators P/U 5" joint, install packoff into wellhead and test packoff seals, lower seals to 5000 psi, upper seals to 10000 psi, pick up 40k, re test seals Good tests
09:00	09:30	0.50	10,815.0	8 3/4	Other	Other	Rig up winches for BOPE & lift stack
09:30	10:00	0.50	10,815.0	8 3/4	Other	Other	4 bolt speed head on 51H before walk
10:00	11:30	1.50	10,815.0	8 3/4	Nipple up BOP	Nipple down BOPs	N/D BOPE & prep for skid to UTL 4546B-21 51H Released off well @ 11:30 hrs 4/29/19

Casing Strings								
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)	
Conductor	20	94.00	H-40	Weld on	25.0	129.0		
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5		
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8		
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0		
Intermediate	7 5/8	29.70	L-80	UPSF	25.0	10,797.6		7,767.2



Partner Drilling Report

Date: 5/22/2019

Report #: 22.0

DSS: 18.33

Well Name: UTL 4546A-21 41H

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 6/10/2019 21:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 10,815.0 End Depth (TVD) (ftKB): 10,753.4 Daily Progress (ft): 0.00 Daily Drilling Hours (hr): Date: 4/10/2019	Purpose: Production TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 5/21/2019 - 5/22/2019

Operations at Report Time
 Trouble shooting top drive

Operations Summary
 Skid f/ UTL 4546B-21 51H t/ UTL 4546A-21 41H, N/U BOPE, prep top drive for removal & remove same, begin working on changing out liners in both MP's, clean active pits in prep for OBM, test BOPE, install wear bushing, install new top drive & trouble shoot same

Operations Next Report Period
 Finish working on top drive, finalizing pumps, fill active system with OBM and get weight to 12.3 ppg, handle BHA, TIH, drill out shoe track, perform FIT and drill ahead building curve

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
08:00	12:00	4.00	10,815.0	8 3/4	Rig Up	Skid/Walk Rig	Skid f/ UTL 4546B-21 51H t/ UTL 4546A-21 41H & center over wellhead
12:00	13:00	1.00	10,815.0	8 3/4	Nipple up BOP	Nipple up BOPs	N/U BOPE to speed head & lock down, rig down hydraulic winches
13:00	15:00	2.00	10,815.0	8 3/4	Rig Repair	Downtime - Top drive	Remove elevators & bails, change out grabber box dies, breakout wash pipe, remove kelly hose from TDS-11, lock out TDS-11, remove electrical lines, un-pin blocks Cleaning mud tanks offline
15:00	17:00	2.00	10,815.0	8 3/4	Rig Repair	Downtime - Top drive	Hold PJSM w/ Warrior Crane company and remove TDS-11 from track & lay down w/ crane Cleaning mud tanks offline Working on mud pumps to replace liners, seats & valves offline
17:00	21:00	4.00	10,815.0	8 3/4	Test BOP	Pressure test BOPs	Test BOPE - Lower / top rams 250 low / 5000 high - Annular 250 low / 3500 high - Test blinds 250 low / 5000 high Pulled test plug & rig down testers until new TDS installed for final tests on manual valve
21:00	21:30	0.50	10,815.0	8 3/4	Other	Other	Install wear bushing
21:30	23:30	2.00	10,815.0	8 3/4	Rig Repair	Downtime - Top drive	Hold PJSM w/ Warrior Crane company & handle new TDS-11. Pick up and install into track.
23:30	06:00	6.50	10,815.0	8 3/4	Rig Repair	Downtime - Top drive	Latch up & pin blocks to top drive, connect service loop. power up & function test top drive w/ ICD electrician & NOV tech Traction motors are working against each other when functioning. Identifying root cause. Note: Only one hand free to work on MP's & lines prior to transferring OBM into active system to begin stripping back MW t/ 12.3 ppg

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0	
Intermediate	7 5/8	29.70	L-80	UPSF	25.0	10,797.6	7,767.2



Partner Drilling Report

Date: 5/23/2019

Report #: 23.0

Well Name: UTL 4546A-21 41H

DSS: 19.33

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 6/10/2019 21:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 10,815.0 End Depth (TVD) (ftKB): 10,753.4 Daily Progress (ft): 0.00 Daily Drilling Hours (hr): Date: 4/10/2019	Purpose: Production TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 5/22/2019 - 5/23/2019

Operations at Report Time
 Trouble shooting top drive

Operations Summary
 Trouble shoot top drive, prep back yard for OBM, transfer OBM into active pits & strip weight down to 12.3 ppg, handle BHA, TIH, tag cement & begin washing down while displacing hole with OBM, trouble shooting top drive at report time

Operations Next Report Period
 Trouble shoot top drive. Drill out shoe track, perform FIT, slide/drill ahead building curve section per directional plan #4

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	12:00	6.00	10,815.0	8 3/4	Rig Repair	Downtime - Top drive	Trouble shoot top drive Check rotation, swap around leads on traction motors, check drives, run autotune on siemens drives, check preset parameters, perform TQ pull test, function test hydraulic components
12:00	17:30	5.50	10,815.0	8 3/4	Other	Other	Install shaker screens, transfer OBM into active system & begin stripping back to 12.3 ppg, install new IBOP, manual valve & saver sub to top drive, install mud line to top drive, bails & elevators, remove trough underneath shakers, prep backyard with solids control, re-build overboard line to reserve pit, install mousehole, clean out in-line mud screen
17:30	18:00	0.50	10,815.0	8 3/4	Rig Service	Rig Service	Rig service
18:00	19:30	1.50	10,815.0	8 3/4	Trips	Pick up BHA	Lay out BHA & prep floor for handling tools Hold PJSM prior to handling tools
19:30	21:00	1.50	10,815.0	8 3/4	Trips	Pick up BHA	Handle 6-3/4" curve BHA - 6-3/4" Ulterra CF611 (6x14, 0.902 TFA) - 5" TDP 6788 FBH 2 deg w/ slick sleeve, 0.68 rev - Float sub - 5" NM Pony Collar - Shock Miser UBHO (220-350 GPM) - 5" NMDC Tool carrier - 5" NMDC - XO - 25 stands 4-1/2" Delta 425 DP - Scout Agitator Attempt MWD test
21:00	22:00	1.00	10,815.0	8 3/4	Rig Repair	Downtime - Other	Attempted MWD test, unable to pump, blew pop off on MP #1, trouble shoot pumps/lines, attempt multiple items with no success. Determined in-line mud screen had been improperly cleared & an additional screen was put in place causing a plug-off within the manifold. Fixed issue & resumed pumping
22:00	23:00	1.00	10,815.0	8 3/4	Trips	Pick up BHA	Successful MWD test Make up bit and final NMDC
23:00	00:00	1.00	10,815.0	8 3/4	Trips	Trip in hole	TIH f/ BHA t/ 2486'
00:00	00:30	0.50	10,815.0	8 3/4	Trips	Pick up BHA	Fill pipe Prep to P/U agitator & perform pressure tests before/after P/U Pump at 350 GPM w/ 8.4 ppg FW: -Before: 1300 psi -After: 1700 psi Per Scout rep, expecting ~575 psi pressure drop across agitator w/ 12.3 ppg OBM when pumping at full drilling rates
00:30	05:00	4.50	10,815.0	8 3/4	Trips	Trip in hole	TIH f/ 2486' t/ 10735' Installed rotating head @ 2486' Tag cement @ 10735', tie into stump & begin washing down
05:00	06:00	1.00	10,815.0	8 3/4	Rig Repair	Downtime - Top drive	After washing remaining part of stand down through cement, went to pick up off bottom to make connection & top drive's stand-jump sheared apart dropping misc parts to rig floor. No noticeable overpull or external issues experienced that may have caused the shearing event. Shut down operation and had a safety stand down and investigated root cause. Trouble shooting w/ ICD at report time. Note: wellbore displaced with OBM to surface

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0	
Intermediate	7 5/8	29.70	L-80	UPSF	25.0	10,797.6	7,767.2



Partner Drilling Report

Date: 5/24/2019

Report #: 24.0

Well Name: UTL 4546A-21 41H

DSS: 20.33

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 6/10/2019 21:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 10,819.0 End Depth (TVD) (ftKB): 10,756.7 Daily Progress (ft): 4.00 Daily Drilling Hours (hr): 2.50 Date: 4/10/2019	Purpose: Production TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 5/23/2019 - 5/24/2019

Operations at Report Time Handling BHA
Operations Summary Trouble shoot top drive, drill out shoe track, trouble shoot top drive & both mud pumps, drill 5' new formation, perform 14 ppg FIT, TOOH for BHA
Operations Next Report Period TBIH w/ curve BHA & build curve

Time Log							
Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	13:00	7.00	10,815.0	8 3/4	Rig Repair	Downtime - Top drive	Trouble shoot top drive Remove both stand jump cylinders, dress out new cylinders and install
13:00	15:00	2.00	10,819.0	8 3/4	Drill	Drill cement/drill out cement/drill float&shoe	Drill shoe track, rathole and 5' new formation Having issues drilling. Experiencing no torque/diff while drilling formation
15:00	22:30	7.50	10,819.0	8 3/4	Rig Repair	Downtime - Mud pump	Trouble shoot mud pumps Remove swab & liners on MP1 #3 pod & MP2 #1 pod due to bad wear plates Change out bad wear plates on both pumps Repair MP2 and bring online Still working on MP1 offline - ICD mechanic & welder dispatched to finalize repairs
22:30	23:00	0.50	10,819.0	8 3/4	Drill	Drill - Actual	With MP2 online, attempt to resume drilling Unable to drill ahead No ROP, weight stacking & no differential or torque experienced Decision made to perform FIT and then TOOH
23:00	23:30	0.50	10,819.0	8 3/4	Other	Other	Perform 14 ppg FIT - formation held
23:30	01:30	2.00	10,819.0	8 3/4	Condition mud & circulate	Clean-up cycle	Circulate hole to displace residual plug parts from shoe track & begin building slug for trip
01:30	06:00	4.50	10,819.0	6 3/4	Trips	Trip out of hole	Perform flow check - static Pump dry job TOOH f/ 10819' t/ agitator Lay down agitator Continue TOOH t/ BHA Note: ICD still troubleshooting MP1 throughout trip

Casing Strings							
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0	
Intermediate	7 5/8	29.70	L-80	UPSF	25.0	10,797.6	7,767.2



Partner Drilling Report

Date: 5/25/2019

Report #: 25.0

Well Name: UTL 4546A-21 41H

DSS: 21.33

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 6/10/2019 21:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 11,318.0 End Depth (TVD) (ftKB): 11,129.2 Daily Progress (ft): 499.00 Daily Drilling Hours (hr): 14.50 Date: 4/10/2019	Purpose: Production TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 5/24/2019 - 5/25/2019

Operations at Report Time
 Prep for TOOH due to possible MWD tool / fault in formation

Operations Summary
 Handle BHA, change out bit & motor, test MWD, TBIH, trouble shoot top drive, resume building 6-3/4" curve section, trouble shoot MWD & discuss plan forward

Operations Next Report Period
 Determine plan forward. TBIH & Land 6-3/4" curve per directional plan #4 and drill ahead into lateral section

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	07:00	1.00	10,819.0	6 3/4	Trips	Lay down BHA Handle BHA Pull MWD tool, lay out Drain motor & break off bit Lay down motor & bit Ulterra CF611 (6x14) 6-3-BT-A-X-0-WT-PR Motor drained well & was in good condition	
07:00	07:30	0.50	10,819.0	6 3/4	Trips	Pick up BHA Handle BHA Make up new bit & motor Test MWD - good test - 6-3/4" Ulterra CF611 (6x14) - 5" TDP 6788 FBH 1.83 deg w/ slick sleeve, 0.68 rev - Float sub - 5" NMDC Pony - Shock Miser UBHO (220-350 GPM) - 5" NMDC Tool Carrier - 5" NMDC - XO - 25 stands DP - Scout agitator	
07:30	12:30	5.00	10,819.0	6 3/4	Trips	Trip in hole	TIH f/ BHA t/ 10819'
12:30	13:00	0.50	10,821.0	6 3/4	Drill	Drill - Actual	Tag bottom and begin drilling Had to pick up multiple times to commence drilling with BHA
13:00	15:00	2.00	10,821.0	6 3/4	Rig Repair	Downtime - Top drive	Trouble shoot TDS Leaking wash pipe required change out
15:00	00:00	9.00	11,080.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" curve section f/ 10,821' to 11,080' = 259' / 29 FPH ROT: 20% SLIDE: 80% WOB: 20-30 RPM: 0-35 GPM: 250 DIFF: 400-800 SPP: 3500 TQ: 0-6k Off btm TQ: 4K MW: 12.3 / VIS 80 Formation: 3rd BSLM Sample @ 11,000': 75% LS, 25% SH Survey: SD 11052' INC 46.61* AZM 72.6* TVD 10932' DLS 6.93* Above 10.9' Right 6.9'
00:00	05:00	5.00	11,318.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" curve section f/ 11,080' to 11,318' = 238' / 47 FPH ROT: 7% SLIDE: 93% WOB: 20-30 RPM: 0-35 GPM: 250 DIFF: 400-800 SPP: 3500 TQ: 0-6k Off btm TQ: 4K MW: 12.25 / VIS 76 Formation: 3rd BSLM Sample @ 11,300': 55% LS, 45% SH Survey: SD 11241' INC 37.64 AZM 63.79 TVD 11068' DLS 11* Below 14.5' Right 3'
05:00	06:00	1.00	11,318.0	6 3/4	Condition mud & circulate	Circulate and Condition	After survey at 11,318' MD, survey inclination indicated INC had dropped from 46 deg to 37 deg. Trouble shoot MWD tool to verify survey is correct. Made calls with town to discuss plan forward.

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0	
Intermediate	7 5/8	29.70	L-80	UPSF	25.0	10,797.6	7,767.2



Partner Drilling Report

Date: 5/26/2019

Report #: 26.0

Well Name: UTL 4546A-21 41H

DSS: 22.33

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 6/10/2019 21:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 11,318.0 End Depth (TVD) (ftKB): 11,129.2 Daily Progress (ft): 0.00 Daily Drilling Hours (hr): Date: 4/10/2019	Purpose: Production TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 5/25/2019 - 5/26/2019

Operations at Report Time

TIH @ 7000'

Operations Summary

TOOH, inspect BHA/MWD, wait on WL, R/U WL and RIH w/ Gyro, verify wellbore orientation compared to MWD surveys, POOH WL & rig down, P/U BHA, TIH

Operations Next Report Period

Build 6-3/4" curve to targeted 20-30' low of directional plan #4 projected to bit at 90*

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	07:00	1.00	11,318.0	6 3/4	Condition mud & circulate	Clean-up cycle	Circulate hole clean while building slug after decision was made to TOOH to inspect BHA
07:00	12:30	5.50	11,318.0	6 3/4	Trips	Trip out of hole	Pull 5 stands wet through curve section into casing shoe Perform flow check - static Pump dry job TOOH f/ 10,746' t/ BHA
12:30	13:30	1.00	11,318.0	6 3/4	Trips	Lay down BHA	Handle BHA Pull MWD tool & inspect UBHO Drain motor & break bit & lay out No signs of damage or MWD tool becoming disoriented 6-3/4" Ulterra CF611 Drilled 499' 2-1-BT-N-X-0-WT-BHA
13:30	14:00	0.50	11,318.0	6 3/4	Rig Service	Rig Service	Rig service
14:00	16:00	2.00	11,318.0	6 3/4	Waiting on	W/O Third Party Personnel	Clear rig floor Wait on Dialog wireline
16:00	17:00	1.00	11,318.0	6 3/4	Trips	Lay down BHA	Lay out all racked back Altitude directional tools
17:00	18:30	1.50	11,318.0	6 3/4	Other	Other	Hold PJSM w/ Dialog wireline Rig up wireline Make up gyro tool and begin RIH
18:30	21:00	2.50	11,318.0	6 3/4	Directional work	Gyro surveys	RIH w/ gyro on WL, calibrating gyro as needed RIH to bottom, tag bottom Confirm gyro surveys vs MWD surveys Sensor depth of 11,305' indicates 37.08 deg INC
21:00	22:00	1.00	11,318.0	6 3/4	Other	Other	Discuss plan forward with town Decision made to P/U 3.0* bend motor w/ 6-3/4" Baker Kymera bit after projecting BURR's to land curve
22:00	00:00	2.00	11,318.0	6 3/4	Other	Other	POOH wireline & gyro Rig down wireline tools
00:00	00:30	0.50	11,318.0	6 3/4	Trips	Pick up BHA	Clear floor and stage BHA
00:30	03:15	2.75	11,318.0	6 3/4	Trips	Pick up BHA	Handle BHA - 6-3/4" Baker KM323 (1x32, 1x22, 1x12, 1.27 TFA) - 5" TDP 6788 ADJ 3.0* Slick 0.68 rev - 5" Float sub - 5" NM Pony - 5" NMDC Tool carrier - 5" NMDC - XO - 32 stands DP - Shock sub/ Scout agitator Tested MWD w/o bit - good test Roughly 30 min downtime on Total MWD tracking down parts for MWD tool & setting up doghouse monitor
03:15	04:00	0.75	11,318.0	6 3/4	Trips	Trip in hole	TIH w/ 32 stands of 4.5" D425 DP prior to picking up agitator Fill pipe
04:00	04:30	0.50	11,318.0	6 3/4	Trips	Pick up BHA	Perform pressure drop test before/after handling agitator @ 350 GPM w/ 12.3 ppg OBM: Before pick up: 2600 psi After pick up: 3500 psi Diff: 900 psi Install rotating head
04:30	06:00	1.50	11,318.0	6 3/4	Trips	Trip in hole	TIH f/ 3179' t/ 7000'

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0	
Intermediate	7 5/8	29.70	L-80	UPSF	25.0	10,797.6	7,767.2



Partner Drilling Report

Date: 5/27/2019

Report #: 27.0

Well Name: UTL 4546A-21 41H

DSS: 23.33

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 6/10/2019 21:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 11,553.0 End Depth (TVD) (ftKB): 11,224.4 Daily Progress (ft): 235.00 Daily Drilling Hours (hr): 7.00 Date: 4/10/2019	Purpose: Production TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 5/26/2019 - 5/27/2019

Operations at Report Time
 Slip/cut drilling line

Operations Summary
 TIH to bottom, build 6-3/4" curve interval, land out curve, circulate hole clean, TOOH, lay down curve BHA, pick up lateral BHA, TBIH to shoe, begin slip/cut

Operations Next Report Period
 Drill ahead 6-3/4" production lateral section per Total Directional plan #1

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	08:00	2.00	11,318.0	6 3/4	Trips	Trip in hole	TIH f/ 7000' t/ 11318' Fill pipe & wash down last stand to bottom
08:00	15:00	7.00	11,553.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" curve section f/ 11,318' to 11,553' = 235' / 34 FPH ROT: 0% SLIDE: 100% WOB: 45-70 RPM: 0 GPM: 300 DIFF: 400-800 SPP: 4500 TQ: 0 Off btm TQ: 0k MW: 12.3 / VIS 80 Formation: 3rd BSSD Sample @ 11,500': 90% SH, 10% LS Survey: SD 11488' INC 78.39* AZM 67.44* TVD 11218' DLS 28.13* Below 29' Left 8' Landed curve w/ 93.74* INC projected to bit Motor yielding 23*-28* throughout interval
15:00	17:00	2.00	11,553.0	6 3/4	Condition mud & circulate	Clean-up cycle	Circulate hole clean Flow check - static
17:00	22:00	5.00	11,553.0	6 3/4	Trips	Trip out of hole	Pull 5 stands wet through curve section Flow check - static Pump dry job TOOH f/ 11,224' t/ BHA
22:00	23:00	1.00	11,553.0	6 3/4	Trips	Lay down BHA	Handle BHA #12 Lay down top NMDC Pull MWD & muleshoe Break bit & lay down motor 6-3/4" Baker KM323 1-1-BT-N-X-0-WT-TD
23:00	00:30	1.50	11,553.0	6 3/4	Trips	Pick up BHA	Handle BHA #13 - 6-3/4" Baker D406TW (6x10, 0.46 TFA) - 5-3/4" Intrepid 9/10 11.0 FBH 1.5* slick 0.5 rev - 5" Float sub - 5" NM Pony collar - 5" UBHO - 5" NMDC TC - 5" NMDC - XO - 1 std 4.5" DP - 6-13/16" Drill N Ream - 31 std 4.5" DP - 5" Shock sub/ Scout agitator Note: Total MWD unable to fit muleshoe back into initial UBHO sub requiring change out of UBHO. 30 min down time to verify muleshoe would fit into back up sub & change out. No backup muleshoes on location. MWD test - good
00:30	02:00	1.50	11,553.0	6 3/4	Trips	Trip in hole	TIH f/ BHA t/ 3167'
02:00	02:30	0.50	11,553.0	6 3/4	Trips	Pick up BHA	Fill pipe & perform pressure test prior to handling agitator @ 320 GPM w/ 12.3 ppg OBM Before: 2550 psi After: 3500 psi Aiming for ~600 psi difference across tool. Re-jetted agitator per Scout tech & retested psi After re-jet: 3100 psi Difference across tool: 550 psi
02:30	06:00	3.50	11,553.0	6 3/4	Trips	Trip in hole	TIH f/ 3167' t/ 10766' Prep for slip & cut at shoe

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0	
Intermediate	7 5/8	29.70	L-80	UPSF	25.0	10,797.6	7,767.2



Partner Drilling Report

Date: 5/28/2019

Report #: 28.0

Well Name: UTL 4546A-21 41H

DSS: 24.33

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 6/10/2019 21:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 12,505.0 End Depth (TVD) (ftKB): 11,187.4 Daily Progress (ft): 952.00 Daily Drilling Hours (hr): 15.75 Date: 4/10/2019	Purpose: Production TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 5/27/2019 - 5/28/2019

Operations at Report Time
 Drilling ahead 6-3/4" production lateral at 12,505'

Operations Summary
 Slip/cut, TIH, tag up @ 10,900', begin wash/ream through curve interval to bottom, drill/slide ahead at 11,553' t/ 11,741', trouble shoot TDS, resume drilling f/ 11,741' t/ 12,505'

Operations Next Report Period
 Drill ahead 6-3/4" production lateral section per Total Directional plan #1

Time Log							
Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	07:00	1.00	11,553.0	6 3/4	Cut off Drill Line	Slip/Cut drilling line	Slip/cut drilling line - 13 wraps / 96' Monitoring well on trip tank
07:00	07:30	0.50	11,553.0	6 3/4	Rig Service	Rig Service	Rig service
07:30	08:00	0.50	11,553.0	6 3/4	Trips	Trip in hole	TIH f/ 10766' t/ 10859' Fill pipe
08:00	09:00	1.00	11,553.0	6 3/4	Reaming	Reaming	Tag up at 10859' Begin wash/ream through curve section TDRPM 30 GPM 250
09:00	10:45	1.75	11,618.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 11,553' to 11,618' = 65' / 37 FPH ROT: 77% SLIDE: 23% WOB: 25 RPM: 0-35 GPM: 320 DIFF: 425 SPP: 4800 TQ: 0-12k Off btm TQ: 5k MW: 12.3 / VIS 80 Formation: 3rd BSSD Sample @ 11,600': 95% SH, 5% LS
10:45	11:00	0.25	11,618.0	6 3/4	Other	Other	Re-log GR f/ 11588' t/ 11618'
11:00	14:00	3.00	11,741.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 11,618' to 11,741' = 123' / 41 FPH ROT: 70% SLIDE: 30% WOB: 25 RPM: 0-35 GPM: 320 DIFF: 425 SPP: 4800 TQ: 0-11k Off btm TQ: 3k MW: 12.3 / VIS 80 Formation: 3rd BSSD Sample @ 11,700': 90% SH, 10% LS Survey: SD 11729' INC 92.47* AZM 71.03* TVD 11214' DLS 0.37* Below 3.5' Left 10'
14:00	19:00	5.00	11,741.0	6 3/4	Rig Repair	Downtime - Top drive	Leaking gooseneck on TDS Troubleshoot TDS Make up pump in sub while troubleshooting 85 GPM
19:00	00:00	5.00	12,070.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 11,741' to 12,070' = 329' / 66 FPH ROT: 86% SLIDE: 14% WOB: 25 RPM: 0-75 GPM: 320 DIFF: 500 SPP: 4800 TQ: 0-9500k Off btm TQ: 3k MW: 12.3 / VIS 80 Formation: 3rd BSSD Sample @ 12,000': 90% SH, 10% LS Survey: SD 12013' INC 92.42* AZM 73.84* TVD 11202' DLS 1.65* Below 9' Left 15.5'
00:00	06:00	6.00	12,505.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 12,070' to 12,505' = 435' / 72.5 FPH ROT: 89% SLIDE: 11% WOB: 25 RPM: 0-35 GPM: 320 DIFF: 425 SPP: 4800 TQ: 0-11k Off btm TQ: 3k MW: 12.4 / VIS 71 Formation: 3rd BSSD Sample @ 12,400': 95% SH, 5% LS



Partner Drilling Report

Date: 5/28/2019

Report #: 28.0

Well Name: UTL 4546A-21 41H

DSS: 24.33

Lat: 31.66857600 Long: -103.21623900

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0	
Intermediate	7 5/8	29.70	L-80	UPSF	25.0	10,797.6	7,767.2



Partner Drilling Report

Date: 5/29/2019

Report #: 29.0

DSS: 25.33

Well Name: UTL 4546A-21 41H

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 6/10/2019 21:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 13,760.0 End Depth (TVD) (ftKB): 11,181.6 Daily Progress (ft): 1,255.00 Daily Drilling Hours (hr): 23.50 Date: 4/10/2019	Purpose: Production TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 5/28/2019 - 5/29/2019

Operations at Report Time Drilling ahead 6-3/4" production lateral at 13,760'
Operations Summary Drill 6-3/4" production lateral f/ 12,505' t/ 13,760' (161' total slide), sliding as needed to maintain directional plan
Operations Next Report Period Drill ahead 6-3/4" production lateral section per Total Directional plan #1

Time Log							
Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	12:00	6.00	12,848.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 12,505' to 12,848' = 343' / 57 FPH ROT: 87.5% SLIDE: 12.5% WOB: 30-40 RPM: 0-60 GPM: 320 DIFF: 350-550 SPP: 4500-4900 TQ: 0-8k Off btm TQ: 3-4k MW: 12.4 / VIS 71 Formation: 3rd BSSD Sample @ 12,800': 100% SH, Trace% LS Survey: SD 12770' INC 89.5* AZM 72.77* TVD 11193' DLS 2.46* Below 4.5' Right 1'
12:00	16:00	4.00	13,132.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 12,848' to 13,132' = 284' / 71 FPH ROT: 100% SLIDE: 0% WOB: 30-35 RPM: 60 GPM: 320 DIFF: 350-550 SPP: 4500-4900 TQ: 10k Off btm TQ: 3-4k MW: 12.4 / VIS 71 Formation: 3rd BSSD Sample @ 13,100': 30% SH, 70% LS Survey: SD 13054' INC 91.22* AZM 72.97* TVD 11190' DLS 0.37* Below 1.5' Right 4.5'
16:00	16:30	0.50	13,132.0	6 3/4	Rig Service	Rig Service	Rig service
16:30	00:00	7.50	13,541.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 13,132' to 13,541' = 409' / 54.5 FPH ROT: 82% SLIDE: 18% WOB: 30-35 RPM: 60-80 GPM: 320 DIFF: 350-600 SPP: 4500-4900 TQ: 0-11k Off btm TQ: 3-4k MW: 12.4 / VIS 71 Formation: 3rd BSSD Sample @ 13,500': 85% SH, 15% LS Survey: SD 13528' INC 90.24* AZM 73.17* TVD 11178' DLS 1.17* Above 11' Right 15'
00:00	06:00	6.00	13,760.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 13,541' to 13,760' = 219' / 36.5 FPH ROT: 80% SLIDE: 20% WOB: 30-35 RPM: 40-80 GPM: 320 DIFF: 250-350 SPP: 4600 TQ: 0-8k Off btm TQ: 3-4k MW: 12.4 / VIS 70 Formation: 3rd BSSD Sample @ 13,700': 85% SH, 15% LS Survey: SD 13622' INC 88.84* AZM 72.79* TVD 11179' DLS 1.54* Above 9' Right 15'

Casing Strings							
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0	
Intermediate	7 5/8	29.70	L-80	UPSF	25.0	10,797.6	7,767.2



Partner Drilling Report

Date: 5/30/2019

Report #: 30.0

DSS: 26.33

Well Name: UTL 4546A-21 41H

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 6/10/2019 21:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 14,940.0 End Depth (TVD) (ftKB): 11,187.6 Daily Progress (ft): 1,180.00 Daily Drilling Hours (hr): 23.50 Date: 4/10/2019	Purpose: Production TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 5/29/2019 - 5/30/2019

Operations at Report Time
 Drilling ahead 6-3/4" production lateral at 14,940'

Operations Summary
 Drill 6-3/4" production lateral f/ 13,760' t/ 14,940' (115' total slide), sliding as needed to maintain directional plan

Operations Next Report Period
 Drill ahead 6-3/4" production lateral section per Total Directional plan #1

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	16:30	10.50	14,269.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 13,760' to 14,269' = 509' / 48.5 FPH ROT: 91% SLIDE: 9% WOB: 30-40 RPM: 30-40 GPM: 320-360 DIFF: 350-900 SPP: 4600-5800 TQ: 0-7k Off btm TQ: 3-4k MW: 12.4 / VIS 70 Formation: 3rd BSSD Sample @ 14,200': 90% SH, 10% LS Survey: SD 14191' INC 89.08* AZM 70.98* TVD 11194' DLS 1.65* Below 5.6' Right 2.4' SPR's @ 14,269' w/ 12.3 MW: 20 = 420/400 30 = 640/600 40 = 900/860 Note: Replace swab on MP #2. Determined middle wear plate requires replacement. Drilling ahead on MP#1 at 107 spm/310 GPM
16:30	17:00	0.50	14,269.0	6 3/4	Rig Service	Rig Service	Rig service
17:00	06:00	13.00	14,940.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 14,269' to 14,940' = 641' / 51 FPH ROT: 89% SLIDE: 11% WOB: 30-45 RPM: 30-70 GPM: 320-350 DIFF: 350-700 SPP: 4600-5500 TQ: 0-12k Off btm TQ: 3-5k MW: 12.3 / VIS 70 Formation: 3rd BSSD Sample @ 14,800': 90% SH, 10% LS Survey: SD 14757' INC 89.54* AZM 72.55* TVD 11187' DLS 1.16* Above 1' Left 4' Note: Brought MP #2 back online. Lost pressure w/ MP #1 requiring changing out seat. Drilling on MP #2 at 107 spm/310 GPM. Both pumps back online @ 23:30 hrs.

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0	
Intermediate	7 5/8	29.70	L-80	UPSF	25.0	10,797.6	7,767.2



Partner Drilling Report

Date: 5/31/2019

Report #: 31.0

DSS: 27.33

Well Name: UTL 4546A-21 41H

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 6/10/2019 21:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 16,020.0 End Depth (TVD) (ftKB): 11,189.5 Daily Progress (ft): 1,080.00 Daily Drilling Hours (hr): 23.50 Date: 4/10/2019	Purpose: Production TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 5/30/2019 - 5/31/2019

Operations at Report Time
 Drilling ahead 6-3/4" production lateral at 16,020'

Operations Summary
 Drill 6-3/4" production lateral f/ 13,940' t/ 16,020' (257.5' total slide), sliding as needed to maintain directional plan

Operations Next Report Period
 Drill ahead 6-3/4" production lateral section per Total Directional plan #1

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	18:00	12.00	15,460.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 14,940' to 15,460' = 520' / 43 FPH ROT: 82% SLIDE: 18% WOB: 30-45 RPM: 30 GPM: 320-350 DIFF: 350-700 SPP: 4600-5700 TQ: 0-13k Off btm TQ: 3-5k MW: 12.3 / VIS 70 Formation: 3rd BSSD Sample @ 15,400': 85% SH, 15% LS Survey: SD 15418' INC 87.59° AZM 71.37° TVD 11179' DLS 0.85° Above 9' Left 19' Took deflection around 14946' from 90.88° to 92.87°, fought getting back down sub 90° majority of afternoon drilling
18:00	02:00	8.00	15,875.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 15,460' to 15,875' = 415' / 52 FPH ROT: 90% SLIDE: 10% WOB: 30-45 RPM: 30-70 GPM: 320-350 DIFF: 350-700 SPP: 4600-5700 TQ: 0-13k Off btm TQ: 3-5k MW: 12.3 / VIS 70 Formation: 3rd BSSD Sample @ 15,700': 95% SH, 5% LS Survey: SD 15797' INC 89.86° AZM 73.08° TVD 11189' DLS 0.58° Above OTL' Left 16'
02:00	02:30	0.50	15,875.0	6 3/4	Rig Service	Rig Service	Rig service
02:30	06:00	3.50	16,020.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 15,875' to 16,020' = 145' / 41 FPH ROT: 76% SLIDE: 24% WOB: 30-45 RPM: 30-70 GPM: 320-350 DIFF: 350-700 SPP: 4600-5700 TQ: 0-13k Off btm TQ: 3-5k MW: 12.3 / VIS 70 Formation: 3rd BSSD Sample @ 15,900': 95% SH, 5% LS Survey: SD 15891' INC 90.94° AZM 73.49° TVD 11188' DLS 1.23° Above 1' Left 14'

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0	
Intermediate	7 5/8	29.70	L-80	UPSF	25.0	10,797.6	7,767.2



Partner Drilling Report

Date: 6/1/2019

Report #: 32.0

DSS: 28.33

Well Name: UTL 4546A-21 41H

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 6/10/2019 21:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 16,725.0 End Depth (TVD) (ftKB): 11,166.5 Daily Progress (ft): 705.00 Daily Drilling Hours (hr): 22.00 Date: 4/10/2019	Purpose: Production TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 5/31/2019 - 6/1/2019
 Operations at Report Time
 Circulating clean up cycle prior to TOOH for BHA

Operations Summary
 Drill 6-3/4" production lateral f/ 16,020' t/ 16,727', sliding as needed to maintain directional plan, decision made to TOOH for BHA due to directional control, MSE & ROP, begin clean up cycle

Operations Next Report Period
 TOOH utilizing drilling choke for back pressure, change out BHA, TBIH & drill ahead

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	18:00	12.00	16,490.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 16,020' to 16,490' =470' / 39 FPH ROT: 90% SLIDE: 10% WOB: 30-45 RPM: 30-50 GPM: 320-350 DIFF: 350-700 SPP: 4600-5700 TQ: 0-14k Off btm TQ: 3-5k MW: 12.3 / VIS 70 Formation: 3rd BSSD Sample @ 15,900': 85% SH, 15% LS Survey: SD 16458' INC 93.17* AZM 75.1* TVD 11168' DLS 0.65* Above 21' Right 8'
18:00	04:00	10.00	16,725.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 16,490' to 16,725' = 235' / 23.7 FPH ROT: 41% SLIDE: 59% WOB: 30-45 RPM: 0-70 GPM: 320-350 DIFF: 350-700 SPP: 4600-5700 TQ: 0-14k Off btm TQ: 3-5k MW: 12.3 / VIS 70 Formation: 3rd BSSD Sample @ 16,700': 90% SH, 10% LS Survey: SD 16647' INC 89.62* AZM 73.89* TVD 11162' DLS 2.72* Above 27' Right 14' Note: Drilled on MP #1 at 110 SPM/310 GPM while replacing wear plate on #1 pod on MP #2. Both pumps back online.
04:00	06:00	2.00	16,725.0	6 3/4	Condition mud & circulate	Clean-up cycle	Decision made to TOOH for BHA due to directional control, MSE & ROP Rack stand back & perform clean up cycle

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0	
Intermediate	7 5/8	29.70	L-80	UPSF	25.0	10,797.6	7,767.2



Partner Drilling Report

Date: 6/2/2019

Report #: 33.0

DSS: 29.33

Well Name: UTL 4546A-21 41H

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 6/10/2019 21:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 17,085.0 End Depth (TVD) (ftKB): 11,180.8 Daily Progress (ft): 360.00 Daily Drilling Hours (hr): 7.00 Date: 4/10/2019	Purpose: Production TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 6/1/2019 - 6/2/2019

Operations at Report Time
 Drilling ahead 6-3/4" production lateral at 17,085'

Operations Summary
 TOO H, change out BHA, TBIH, Drill 6-3/4" production lateral f/ 16,725' t/ 17,085', sliding as needed to maintain directional plan

Operations Next Report Period
 Drill ahead 6-3/4" production lateral section per Total Directional plan #1

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	06:30	0.50	16,725.0	6 3/4	Condition mud & circulate	Clean-up cycle	Circulate hole clean
06:30	13:00	6.50	16,725.0	6 3/4	Trips	Trip out of hole	Flow check - static Pull 5 stands wet monitoring drag Flow check - static Pump dry job TOOH f/ 16727' t/ BHA Trip was slick, no issues or back pressure needed
13:00	14:00	1.00	16,725.0	6 3/4	Trips	Lay down BHA	Handle BHA Lay down MWD tool, drain motor & break off bit 6.75" Baker D406TW Drilled 5172' 1-2-S-BT-X-0-WT-BHA Motor had excessive squat, appeared worn
14:00	15:00	1.00	16,725.0	6 3/4	Trips	Pick up BHA	Handle BHA P/U new motor, stab, bit - 6.75" Baker D406TW (6x10, 0.46 TFA) - 5.75" Intrepid 1.5* FBH 9/10 11.0 stg - 6.25" Stab - 5" Float Sub - 5" NMDC Pony - 5" UBHO - 5" NMDC - 5" NMDC - XO - 1 std 4.5" DP - 6 13/16" Drill N Ream - 39 std 4.5" DP - 5" Shocksab/ Scout agitator Good MWD test at surface
15:00	22:00	7.00	16,725.0	6 3/4	Trips	Trip in hole	TIH f/ BHA t/ 16725' Wash down last stand Note: P/U agitator at 3692' and perform pressure drop across tool @ 400 GPM w/ 12.3 ppg OBM Before: 3500 psi After: 4500 psi Trip was slick & experienced full returns
22:00	02:00	4.00	16,917.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 16,725' to 16,917' = 192' / 48 FPH ROT: 84% SLIDE: 16% WOB: 25-40 RPM: 0-50 GPM: 320-350 DIFF: 350-700 SPP: 6100 TQ: 0-12k Off btm TQ: 3-5k MW: 12.25 / VIS 72 Formation: 3rd BSSD Sample @ 16,800': 90% SH, 10% LS Survey: SD 16834' INC 86.92* AZM 69.13* TVD 11166' DLS 4.16* Above 22' Right 14'
02:00	02:30	0.50	16,917.0	6 3/4	Directional work	Directional surveys	Trouble shoot MWD Recycled 4 times to attain survey Able to achieve survey at 300 GPM



Partner Drilling Report

Date: 6/2/2019

Report #: 33.0

Well Name: UTL 4546A-21 41H

DSS: 29.33

Lat: 31.66857600 Long: -103.21623900

Time Log							
Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
02:30	04:45	2.25	17,012.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 16,917' to 17,012' = 95' / 42 FPH ROT: 65% SLIDE: 35% WOB: 25-40 RPM: 0-50 GPM: 320-350 DIFF: 350-700 SPP: 6100 TQ: 0-12k Off btm TQ: 3-5k MW: 12.25 / VIS 720 Formation: 3rd BSSD Sample @ 17,000': 90% SH, 10% LS Survey: SD 16834' INC 86.92* AZM 69.13* TVD 11166' DLS 4.16* Above 22' Right 14'
04:45	05:15	0.50	17,012.0	6 3/4	Rig Service	Rig Service	Rig service
05:15	06:00	0.75	17,085.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 17,012' to 17,085' = 73' / 97 FPH ROT: 100% SLIDE: 0% WOB: 25-40 RPM: 0-50 GPM: 320-350 DIFF: 350-700 SPP: 6100 TQ: 0-12k Off btm TQ: 3-5k MW: 12.25 / VIS 720 Formation: 3rd BSSD Sample @ 17,000': 90% SH, 10% LS Survey: SD 16929' INC 87.06* AZM 69.7* TVD 11171' DLS 0.43* Above 17' Right 10'

Casing Strings							
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0	
Intermediate	7 5/8	29.70	L-80	UPSF	25.0	10,797.6	7,767.2



Partner Drilling Report

Date: 6/3/2019

Report #: 34.0

DSS: 30.33

Well Name: UTL 4546A-21 41H

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 6/10/2019 21:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 18,245.0 End Depth (TVD) (ftKB): 11,185.3 Daily Progress (ft): 1,160.00 Daily Drilling Hours (hr): 23.50 Date: 4/10/2019	Purpose: Production TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 6/2/2019 - 6/3/2019

Operations at Report Time
 Drilling ahead 6-3/4" production lateral at 18,245'

Operations Summary
 Drill 6-3/4" production lateral f/ 17,085' t/ 18,245' (252' total slide), sliding as needed to maintain directional plan

Operations Next Report Period
 Drill ahead 6-3/4" production lateral section per Total Directional plan #1

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	16:30	10.50	17,579.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 17,085' to 17,579' = 494' / 47 FPH ROT: 79% SLIDE: 21% WOB: 25-40 RPM: 0-60 GPM: 320-350 DIFF: 350-700 SPP: 6100 TQ: 0-16k Off btm TQ: 3-5k MW: 12.2 / VIS 68 Formation: 3rd BSSD Sample @ 17,600': 75% SH, 25% LS Survey: SD 17591' INC 89.85* AZM 71.91* TVD 11193' DLS 0.87* Below 4' Left 5'
16:30	17:00	0.50	17,579.0	6 3/4	Rig Service	Rig Service	Rig Service
17:00	06:00	13.00	18,245.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 17,579' to 18,245' = 666' / 51 FPH ROT: 78.25% SLIDE: 21.75% WOB: 25-40 RPM: 0-60 GPM: 320-350 DIFF: 350-900 SPP: 6100 TQ: 0-18k Off btm TQ: 3-5k MW: 12.2 / VIS 70 Formation: 3rd BSSD Sample @ 18,100': 75% SH, 25% LS Survey: SD 18064' INC 90.41* AZM 70.2* TVD 11187' DLS 0.89* Above 1' Left 14'

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0	
Intermediate	7 5/8	29.70	L-80	UPSF	25.0	10,797.6	7,767.2



Partner Drilling Report

Date: 6/4/2019

Report #: 35.0

DSS: 31.33

Well Name: UTL 4546A-21 41H

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 6/10/2019 21:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 19,330.0 End Depth (TVD) (ftKB): 11,199.1 Daily Progress (ft): 1,085.00 Daily Drilling Hours (hr): 23.50 Date: 4/10/2019	Purpose: Production TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 6/3/2019 - 6/4/2019

Operations at Report Time
 Drilling ahead 6-3/4" production lateral at 19,330'

Operations Summary
 Drill 6-3/4" production lateral f/ 18,245' t/ 19,330' (195' total slide), sliding as needed to maintain directional plan

Operations Next Report Period
 Drill ahead 6-3/4" production lateral section per Total Directional plan #1

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	12:00	6.00	18,431.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 18,245' to 18,431' = 186' / 31 FPH ROT: 70% SLIDE: 30% WOB: 25-40 RPM: 0-60 GPM: 320-350 DIFF: 350-900 SPP: 6100 TQ: 0-18k Off btm TQ: 3-5k MW: 12.2 / VIS 70 Formation: 3rd BSSD Sample @ 18,100': 35% SH, 65% LS Survey: SD 18348' INC 89.99* AZM 73.07* TVD 11180' DLS 2.24* Above 8.2' Left 16.5'
12:00	12:30	0.50	18,431.0	6 3/4	Rig Service	Rig Service	Rig service
12:30	00:00	11.50	18,945.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 18,431' to 18,945' = 514' / 44.70 FPH ROT: 76.5% SLIDE: 23.5% WOB: 25-40 RPM: 0-60 GPM: 320-350 DIFF: 350-900 SPP: 6100 TQ: 0-18k Off btm TQ: 3-5k MW: 12.2 / VIS 70 Formation: 3rd BSSD Sample @ 18,900': 70% SH, 30% LS Survey: SD 18917' INC 91.54* AZM 72.08* TVD 11198' DLS 1.36* Below 10' Left 12'
00:00	06:00	6.00	19,330.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 18,945' to 19,330' = 385' / 64 FPH ROT: 93% SLIDE: 7% WOB: 25-40 RPM: 0-80 GPM: 320-350 DIFF: 350-900 SPP: 6100 TQ: 0-18k Off btm TQ: 3-5k MW: 12.2 / VIS 70 Formation: 3rd BSSD Sample @ 19,200': 70% SH, 30% LS Survey: SD 19201' INC 90.29* AZM 70.33* TVD 11193' DLS 2.01* Below 3' Left 14'

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0	
Intermediate	7 5/8	29.70	L-80	UPSF	25.0	10,797.6	7,767.2



Partner Drilling Report

Date: 6/5/2019

Report #: 36.0

Well Name: UTL 4546A-21 41H

DSS: 32.33

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 6/10/2019 21:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 20,103.0 End Depth (TVD) (ftKB): 11,214.1 Daily Progress (ft): 773.00 Daily Drilling Hours (hr): 23.00 Date: 4/10/2019	Purpose: Production TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 6/4/2019 - 6/5/2019

Operations at Report Time
 Drilling 6-3/4" production lateral at 20,103'

Operations Summary
 Drilled 6-3/4" production lateral f/ 19,330' t/ 20,103', sliding as needed to maintain directional plan

Operations Next Report Period
 Drill ahead 6-3/4" production lateral section per Total Directional plan #1

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	06:30	0.50	19,330.0	6 3/4	Rig Service	Rig Service	Rig service.
06:30	10:30	4.00	19,475.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 19,330' to 19,475' = 145' / 36.25 FPH ROT: 83% SLIDE: 17% WOB: 25-45 RPM: 30-45 GPM: 330-370 DIFF: 650-1000 SPP: 6000 TQ: 18k Off btm TQ: 3-5k MW: 12.2 / VIS 70 Formation: 3rd BSSD Sample @ 19,400': 60% SH, 40% LS Survey: SD 19391' INC 88.45° AZM 72.43° TVD 11197.59' DLS 1.65° Below 8.6' Left 15'
10:30	15:00	4.50	19,615.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 19,475' to 19,615' = 140' / 31 FPH ROT: 77% SLIDE: 23% WOB: 25-45 RPM: 30-45 GPM: 330-370 DIFF: 650-850 SPP: 6000 TQ: 19k Off btm TQ: 3-5k MW: 12.2 / VIS 68 Formation: 3rd BSSD Sample @ 19,600': 60% SH, 40% LS Survey: SD 19580' INC 88.7° AZM 73.25° TVD 11201.85' DLS 0.18° Below 12.8' Left 12.3'
15:00	19:00	4.00	19,801.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 19,615' to 19,801' = 186' / 46.5 FPH ROT: 89% SLIDE: 11% WOB: 25-45 RPM: 30-45 GPM: 320 DIFF: 600-850 SPP: 5950 TQ: 20k Off btm TQ: 4-5k MW: 12.25 / VIS 69 Formation: 3rd BSSD Sample @ 19,800': 70% SH, 30% LS Survey: SD 19674' INC 89.73° AZM 73.29° TVD 11203.14' DLS 1.10° Below 14' Left 12'
19:00	23:00	4.00	19,948.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 19,801' to 19,948' = 147' / 36.75 FPH ROT: 84% SLIDE: 16% WOB: 25-45 RPM: 30-60 GPM: 320 DIFF: 600 SPP: 5950 TQ: 16k Off btm TQ: 5-6k MW: 12.2 / VIS 69 Formation: 3rd BSSD Sample @ 19,900': 70% SH, 30% LS Survey: SD 19863' INC 89.08° AZM 73.57° TVD 11203.09' DLS 1.74° Below 14' Left 9' Note: Drilled with one mud pump @ 105 SPM/300 GPM while replacing wear plate on MP #1.



Partner Drilling Report

Date: 6/5/2019

Report #: 36.0

Well Name: UTL 4546A-21 41H

DSS: 32.33

Lat: 31.66857600 Long: -103.21623900

Time Log							
Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
23:00	03:30	4.50	20,040.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 19,948' to 20,040' = 92' / 20.44 FPH ROT: 40% SLIDE: 60% WOB: 25-45 RPM: 30-60 GPM: 320-370 DIFF: 200-600 SPP: 6000 TQ: 20k Off btm TQ: 5-6k MW: 12.2 / VIS 75 Formation: 3rd BSSD Sample @ 20,000': 60% SH, 40% LS Note: Drilled with one mud pump @ 105 SPM/300 GPM while replacing wear plate on MP #1. Both pumps back online.
03:30	04:00	0.50	20,040.0	6 3/4	Directional work	Directional surveys	Trouble shoot MWD Recycled 3 times to attain survey Able to achieve survey at 320 GPM
04:00	06:00	2.00	20,103.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 20,040' to 20,103' = 63' / 31.5 FPH ROT: 63% SLIDE: 37% WOB: 25-45 RPM: 30-60 GPM: 320-370 DIFF: 200-600 SPP: 6000 TQ: 20k Off btm TQ: 5-6k MW: 12.2 / VIS 75 Formation: 3rd BSSD Sample @ 20,000': 60% SH, 40% LS Survey: SD 19957' INC 86.82° AZM 73.32° TVD 11206.45' DLS 2.42° Below 19' Left 7'

Casing Strings							
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0	
Intermediate	7 5/8	29.70	L-80	UPSF	25.0	10,797.6	7,767.2



Partner Drilling Report

Date: 6/6/2019

Report #: 37.0

DSS: 33.33

Well Name: UTL 4546A-21 41H

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 6/10/2019 21:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 20,792.0 End Depth (TVD) (ftKB): 11,188.1 Daily Progress (ft): 689.00 Daily Drilling Hours (hr): 23.50 Date: 4/10/2019	Purpose: Production TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 6/5/2019 - 6/6/2019

Operations at Report Time
 Drilling 6-3/4" production lateral at 20,792'

Operations Summary
 Drilled 6-3/4" production lateral f/ 20,103' t/ 20,792', sliding as needed to maintain directional plan. (.5 rig service performed)

Operations Next Report Period
 Drill ahead 6-3/4" production lateral section per Total Directional plan #1

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	10:00	4.00	20,152.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 20,103' to 20,152' = 49' / 12.25 FPH ROT: 0% SLIDE: 100% WOB: 45-60 RPM: 0 GPM: 370 DIFF: 100-200 SPP: 6300 TQ: 0k Off btm TQ: 5-6k MW: 12.15 / VIS 68 Formation: 3rd BSSD Sample @ 20,100' 65% SH, 35% LS Survey: SD 20051' INC 88.81° AZM 71.84° TVD 11210.04' DLS 2.64° Below 4' Left 4.3' New Target line: 11,206' TVD @ OVS 90°
10:00	10:30	0.50	20,152.0	6 3/4	Rig Service	Rig Service	Rig service.
10:30	14:30	4.00	20,222.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 20,152' to 20,222' = 70' / 17.5 FPH ROT: 41% SLIDE: 59% WOB: 45-50 RPM: 30 GPM: 300 DIFF: 500-1000 SPP: 5300 TQ: 20k Off btm TQ: 5-6k MW: 12.2 / VIS 67 Formation: 3rd BSSD Sample @ 20,200' 70% SH, 30% LS Survey: SD 20145' INC 90.2° AZM 70.68° TVD 11210.85' DLS 1.93° Below 4.8' Left 5.8' Note: Drilled with one mud pump @ 105 SPM/300 GPM while replacing wear plate on MP #2.
14:30	19:00	4.50	20,416.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 20,222' to 20,416' = 194' / 43.11 FPH ROT: 100% SLIDE: 0% WOB: 45-50 RPM: 30-70 GPM: 300 DIFF: 500-750 SPP: 5300 TQ: 21k Off btm TQ: 6-7k MW: 12.15 / VIS 69 Formation: 3rd BSSD Sample @ 20,400' 65% SH, 35% LS Survey: SD 20333' INC 95.5° AZM 72.19° TVD 11201.08' DLS 2.89° Above 5' Left 9' Note: Drilled with one mud pump @ 105 SPM/300 GPM while replacing wear plate on MP #2. Both pumps back online.
19:00	23:30	4.50	20,510.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 20,416' to 20,510' = 94' / 20.89 FPH ROT: 13% SLIDE: 87% WOB: 45-50 RPM: 70 GPM: 360 DIFF: 200-450 SPP: 6100 TQ: 21k Off btm TQ: 6-7k MW: 12.2 / VIS 69 Formation: 3rd BSSD Sample @ 20,500' 75% SH, 25% LS Survey: SD 20333' INC 95.5° AZM 72.19° TVD 11201.08' DLS 2.89° Above 5' Left 9' Slide due to formation push, took deflection between 63' of rotation from 92.24° to 95.50°. Taking 30'-45' check shots to see build tendencies.



Partner Drilling Report

Date: 6/6/2019

Report #: 37.0

Well Name: UTL 4546A-21 41H

DSS: 33.33

Lat: 31.66857600 Long: -103.21623900

Time Log							
Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
23:30	03:00	3.50	20,617.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 20,510' to 20,617' = 107' / 30.57 FPH ROT: 77% SLIDE: 23% WOB: 40-45 RPM: 50 GPM: 350-370 DIFF: 450-550 SPP: 6200 TQ: 16k Off btm TQ: 6-7k MW: 12.15 / VIS 69 Formation: 3rd BSSD Sample @ 20,600' 80% SH, 20% LS Survey: SD 20521' INC 88.08° AZM 72.43° TVD 11188.99' DLS 8.08° Above 17' Left 10' Taking 30'-45'check shots to see build tendencies.
03:00	06:00	3.00	20,792.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 20,617' to 20,792' = 175' / 58.33 FPH ROT: 100% SLIDE: 0% WOB: 40-45 RPM: 70 GPM: 340 DIFF: 450-600 SPP: 6200 TQ: 16-18k Off btm TQ: 6-7k MW: 12.25 / VIS 7 Formation: 3rd BSSD Sample @ 20,600' 80% SH, 20% LS Survey: SD 20615' INC 91.04° AZM 71.17° TVD 11189.71' DLS 3.42° Above 16' Left 10' New Target line: 11,189' TVD @ OVS 90°

Casing Strings								
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)	
Conductor	20	94.00	H-40	Weld on	25.0	129.0		
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5		
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8		
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0		
Intermediate	7 5/8	29.70	L-80	UPSF	25.0	10,797.6	7,767.2	



Partner Drilling Report

Date: 6/7/2019

Report #: 38.0

DSS: 34.33

Well Name: UTL 4546A-21 41H

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 6/10/2019 21:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 21,247.0 End Depth (TVD) (ftKB): 11,186.6 Daily Progress (ft): 455.00 Daily Drilling Hours (hr): 10.50 Date: 4/10/2019	Purpose: Production TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 6/6/2019 - 6/7/2019

Operations at Report Time

Picking up BHA

Operations Summary

Drilled 6-3/4" production lateral f/ 20,792' t/ 21,247', perform clean up cycle, POOH, handle BHA, C/O bit and motor. (.5 rig service performed)

Operations Next Report Period

Finish Picking up BHA, TIH and continue drilling 6-3/4" production lateral section per Total Directional plan #1. Approx. TD 21,929'

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	11:15	5.25	21,058.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 20,792' to 21,058' = 266' / 50.66 FPH ROT: 100% SLIDE: 0% WOB: 30-45 RPM: 50-80 GPM: 330-350 DIFF: 350-600 SPP: 6100-6300 TQ: 16-20k Off btm TQ: 6-7k MW: 12.2 / VIS 69 Formation: 3rd BSSD Sample @ 20,900' 90% SH, 10% LS Survey: SD 20991' INC 90.0° AZM 72.07° TVD 11180.51' DLS 2.23° Above 8.5' Left 14'
11:15	16:30	5.25	21,247.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 21,058' to 21,247' = 189' / 36 FPH ROT: 100% SLIDE: 0% WOB: 40-50 RPM: 30-60 GPM: 330-360 DIFF: 600-300 SPP: 6000-6300 TQ: 19-21k Off btm TQ: 6-7k MW: 12.2 / VIS 67 Formation: 3rd BSSD Sample @ 21,200' 85% SH, 15% LS Survey: SD 21085' INC 89.8° AZM 71.75° TVD 11180.67' DLS 0.40° Above 8.4' Left 14.5' ROP slowed decision was made to trip for bit and motor.
16:30	19:30	3.00	21,247.0	6 3/4	Condition mud & circulate	Clean-up cycle	Perform clean up cycle Rotate and reciprocate drill string. Circulate 2 times bottoms up. GPM: 370 SPP: 6000 RPM: 80 TQ: 7.5K at the start TQ: 5K at the end Shakers clean after second bottoms up.
19:30	20:00	0.50	21,247.0	6 3/4	Trips	Trip out of hole	Perform flow check - Well static Pull 5 stands wet to gauge hole conditions. Normal drag and Well taking proper fill from trip tank. Flow check - Well static Pump slug.
20:00	04:00	8.00	21,247.0	6 3/4	Trips	Trip out of hole	TOOH for new bit and motor. F/ 20,792' T/ BHA No tight spots seen, Well taking proper fill. Filling and monitoring hole from trip tank. Flow check at csg shoe - Well static. Pull rotating head and lay down agitator @ 3,957'. Install trip nipple.
04:00	05:00	1.00	21,247.0	6 3/4	Trips	Lay down BHA	Handle BHA Lay down MWD tool, drain motor & break off bit 6.75" Baker D406TW Drilled 4,522' 8-2-CR-C-X-IN-CT-BHA Motor had excessive squat, appeared worn
05:00	05:30	0.50	21,247.0	6 3/4	Rig Service	Rig Service	Rig service.



Partner Drilling Report

Date: 6/7/2019

Report #: 38.0

Well Name: UTL 4546A-21 41H

DSS: 34.33

Lat: 31.66857600 Long: -103.21623900

Time Log							
Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
05:30	06:00	0.50	21,247.0	6 3/4	Trips	Pick up BHA	Handle BHA P/U new motor & bit - 6.75" Baker D405TW (5x13, 0.65 TFA) - 5" Phoenix 1.75° FBH 6/7 8.8 stg (0.68 RPG) - 5" Float Sub - 5" NMDC Pony - 5" UBHO - 5" NMDC - 5" NMDC - XO - 1 std 4.5" DP - 6 13/16" Drill N Ream - 39 std 4.5" DP - 5" Shocksab/ Scout agitator Good MWD test at surface

Casing Strings							
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0	
Intermediate	7 5/8	29.70	L-80	UPSF	25.0	10,797.6	7,767.2



Partner Drilling Report

Date: 6/8/2019

Report #: 39.0

DSS: 35.33

Well Name: UTL 4546A-21 41H

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 6/10/2019 21:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 21,818.0 End Depth (TVD) (ftKB): 11,168.3 Daily Progress (ft): 571.00 Daily Drilling Hours (hr): 12.00 Date: 4/10/2019	Purpose: Production TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 6/7/2019 - 6/8/2019

Operations at Report Time
 Drilling 6-3/4" production lateral at 21,818'

Operations Summary
 Finished picking up BHA, TIH, slip and cut drill line at shoe, TIH, drilled 6-3/4" production lateral f/ 21,247' t/ 21,818'. (.5 rig service performed)

Operations Next Report Period
 Drill to TD of 21,991', perform clean up cycle, TOOH for casing, lay down BHA, rig up casing tools, make up shoe track, run 5.5" casing per tally.

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	07:00	1.00	21,247.0	6 3/4	Trips	Pick up BHA	Handle BHA P/U new motor & bit - 6.75" Baker D405TW (5x13, 0.65 TFA) - 5" Phoenix 1.75° FBH 6/7 8.8 stg (0.68 RPG) - 5" Float Sub - 5" NMDC Pony - 5" UBHO - 5" NMDC - 5" NMDC - XO - 1 std 4.5" DP - 6 13/16" Drill N Ream - 39 std 4.5" DP - 5" Shocksab/ Scout agitator Good MWD test at surface
07:00	11:00	4.00	21,247.0	6 3/4	Trips	Trip in hole	TIH f/ BHA t/ 10,665' Install rotating head Filling pipe every 2800' Proper displacement Note: P/U agitator at 3,919' and perform pressure drop across tool @ 400 GPM w/ 12.25 ppg OBM Before: 3500 psi After: 4100 psi
11:00	12:30	1.50	21,247.0	6 3/4	Cut off Drill Line	Slip/Cut drilling line	Slip and cut drill line, re-calibrate set points and COM. Install FOSV & monitor Well on trip tank - Well static
12:30	17:30	5.00	21,247.0	6 3/4	Trips	Trip in hole	TIH f/ 10,665' t/ 21,247' Filling pipe every 2800' Sync up MWD tool and wash down last stand Trip was slick & experienced full returns.
17:30	22:00	4.50	21,451.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 21,247' to 21,451' = 204' / 45.33 FPH ROT: 89% SLIDE: 11% WOB: 25-30 RPM: 30-50 GPM: 350 DIFF: 450-550 SPP: 6000-6300 TQ: 15k Off btm TQ: 6-7k MW: 12.25 / VIS 74 Formation: 3rd BSSD Sample @ 21,400' 70% SH, 30% LS Survey: SD 21370' INC 90.63° AZM 70.98° TVD 11184.27' DLS 2.22° Above 5' Left 28' Max units of gas from trip 5074 with 3' flare.
22:00	02:00	4.00	21,641.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 21,451' to 21,641' = 190' / 47.5 FPH ROT: 85% SLIDE: 15% WOB: 25-30 RPM: 30-80 GPM: 330-350 DIFF: 250-650 SPP: 6000-6400 TQ: 15k Off btm TQ: 6-7k MW: 12.25 / VIS 70 Formation: 3rd BSSD Sample @ 21,600' 60% SH, 40% LS Survey: SD 21558' INC 93.98° AZM 73.37° TVD 11176.51' DLS 1.95° Above 12.5' Left 31'
02:00	05:30	3.50	21,818.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 21,641' to 21,818' = 177' / 50.57 FPH ROT: 86% SLIDE: 14% WOB: 25-35 RPM: 80 GPM: 340 DIFF: 550-650 SPP: 6100-6400 TQ: 14-15k Off btm TQ: 6-7k MW: 12.25 / VIS 70 Formation: 3rd BSSD Sample @ 21,700' 60% SH, 40% LS Survey: SD 21653' INC 92.63° AZM 74.09° TVD 11171.03' DLS 1.61° Above 18' Left 19'
05:30	06:00	0.50	21,818.0	6 3/4	Drill	Drill - Actual	Rig service.

Casing Strings							
Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	



Partner Drilling Report

Date: 6/8/2019

Report #: 39.0

Well Name: UTL 4546A-21 41H

DSS: 35.33

Lat: 31.66857600 Long: -103.21623900

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0	
Intermediate	7 5/8	29.70	L-80	UPSF	25.0	10,797.6	7,767.2



Partner Drilling Report

Date: 6/9/2019

Report #: 40.0

Well Name: UTL 4546A-21 41H

DSS: 36.33

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 6/10/2019 21:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 21,991.0 End Depth (TVD) (ftKB): 11,159.7 Daily Progress (ft): 173.00 Daily Drilling Hours (hr): 2.00 Date: 4/10/2019	Purpose: Production TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 6/8/2019 - 6/9/2019

Operations at Report Time
 Running 5.5" casing at 5,500'

Operations Summary
 Drilled 6-3/4" production lateral f/ 21,818' t/ 21,991' TD, perform clean up cycle, TOOH for casing, lay down BHA, retrieved wear bushing, rig up casing tools, service rig, make up shoe track and test floats, run 5.5" 23# P-110 DQX casing per tally.

Operations Next Report Period
 Run 5.5" casing per tally, land out, hold PJSM and rig up cement crew, burst air lock, circulate casing capacity, pump cement, flush stack, back out of landing joint and wash top of hanger, set packoff, ND BOP and install TA-cap.

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	08:00	2.00	21,991.0	6 3/4	Drill	Drill - Actual	Drill 6-3/4" production lateral section f/ 21,818' to 21,991' = 173' / 86.5 FPH ROT: 100% SLIDE: 0% WOB: 30-35 RPM: 80 GPM: 340 DIFF: 550-650 SPP: 6100-6400 TQ: 14-15k Off btm TQ: 6-7k MW: 12.25 / VIS 68 Formation: 3rd BSSD Sample @ 21,991' 85% SH, 15% LS Final Survey: SD 21920' INC 93.15° AZM 76.07° TVD 11160.27' DLS 1.11° Above 28.8' Left 6' TD Well @ 21,991' on 6/08/19 08:00 hours
08:00	10:30	2.50	21,991.0	6 3/4	Condition mud & circulate	Clean-up cycle	Perform clean up cycle Rotate and reciprocate drill string. Circulate 2 times bottoms up. GPM: 370 SPP: 6500-6100 RPM: 80 PU-210K SO-135K TQ-10K beginning of clean up cycle PU-197K SO-130K TQ-7K end of clean up cycle Shakers clean after second bottoms up. Note: TRRC notified 6/08/2019 @ 09:00, agency contact Audrey Oper. #2, Job number 173653
10:30	18:00	7.50	21,991.0	6 3/4	Trips	Trip out of hole	TOOH to run 5.5" casing F/ 21,991' T/ BHA Perform flow check - Well static Pump slug Normal drag and Well taking proper fill from trip tank No tight spots seen Filling and monitoring hole from trip tank. Pull rotating head and lay down agitator @ 3,947'. Install trip nipple.
18:00	19:00	1.00	21,991.0	6 3/4	Trips	Lay down BHA	Lay down BHA Drain motor & break off bit 6.75" Baker D405TW Drilled 744' 0-1-CT-S-X-IN-NO-TD Normal squat on motor, and drain good.
19:00	20:00	1.00	21,991.0	6 3/4	Other	Other	Retrieve wear bushing. Clean rig floor and ready for casing.
20:00	21:00	1.00	21,991.0	6 3/4	Run casing & cement	Rig up/down to run casing	Hold PJSM and rig up casing tools.
21:00	21:30	0.50	21,991.0	6 3/4	Rig Service	Rig Service	Rig service.
21:30	23:00	1.50	21,991.0	6 3/4	Run casing & cement	Run casing	M/U 5-1/2" P-110 BTC shoe track per tally & thread lock float equipment Test floats - good test Shoe track as followed: - 5.5" Halliburton float shoe (BTC) - 5.5" Casing joint (DQX) - 5.5" Halliburton float collar (BTC) - 5.5" Casing joint (BTC) - 5.5" Halliburton landing collar - 5.5" Casing joint (BTC) - 5.5" Frac- sleeve - 5.5" Casing joint with X/O to DQX Torque turn used, torque connections to 9,000 ft/lb avg.
23:00	02:30	3.50	21,991.0	6 3/4	Run casing & cement	Run casing	RIH with 5-1/2" 23# P-110CY DQX casing per tally. F/ 137' T/ 2,720' Not filling pipe Proper displacement Torque connections to 15,500 ft/lb
02:30	03:30	1.00	21,991.0	6 3/4	Run casing & cement	Rig up/down to run casing	Change out casing power tongs, torque turn equipment and perform dump test on new tongs. Monitor well on trip tank - Well static
03:30	06:00	2.50	21,991.0	6 3/4	Run casing & cement	Run casing	RIH with 5-1/2" 23# P-110CY DQX casing per tally. F/ 2,720' T/ 5,500' Not filling pipe Proper displacement Torque connections to 15,500 ft/lb

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	



Partner Drilling Report

Date: 6/9/2019

Report #: 40.0

Well Name: UTL 4546A-21 41H

DSS: 36.33

Lat: 31.66857600 Long: -103.21623900

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0	
Intermediate	7 5/8	29.70	L-80	UPSF	25.0	10,797.6	7,767.2
Production	5 1/2	23.00	P-110	DQX	25.0	21,978.1	



Partner Drilling Report

Date: 6/10/2019

Report #: 41.0

Well Name: UTL 4546A-21 41H

DSS: 37.33

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 6/10/2019 21:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 21,991.0 End Depth (TVD) (ftKB): 11,159.7 Daily Progress (ft): 0.00 Daily Drilling Hours (hr): Date: 4/10/2019	Purpose: Production TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 6/9/2019 - 6/10/2019

Operations at Report Time
 Picking up cement head.

Operations Summary
 Run 5.5" casing per tally, work casing with rotation, land out, hold PJSM and rig up cement crew.

Operations Next Report Period
 Fill pipe and bleed air, circulate 1.5 times casing capacity, Pump cement, flush stack, back out of landing joint and wash top of hanger, set packoff, ND BOP and install TA-cap, release rig.

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	21:00	15.00	21,991.0	6 3/4	Run casing & cement	Run casing	RIH with 5-1/2" 23# P-110CY DQX casing per tally. F/ 5,500' T/ 21,379' Filling on the fly with fill hoes after installing airlock sub Full enters with proper displacement Torque connections to 15,500 ft/lb Tag up at 21,379'
21:00	05:00	8.00	21,991.0	6 3/4	Run casing & cement	Run casing	RIH with 5-1/2" 23# P-110CY DQX casing per tally. F/ 21,379' T/ 21,978' After tagging tight spot in hole @ 21,379'. Attempted to work casing down slacking off approx. 150k in string weight without making progress. String free when picking up pulling 30-40k over string weight (260k). While reciprocating pipe we lost ground going down and were able to pull up with free movement. We worked 3 joints up out of the hole without downward progress. At this point we added torque to the string starting at 4k ft/lbs and worked up to 10k ft/lbs of torque while reciprocating the pipe. We'd made no downward progress at this point. Decision was made to use a maximum torque of 12.5k ft/lbs of torque on the string (80% of make up torque). While reciprocating pipe with torque we started making downward progress. We continued to work pipe into hole @ 21,815' we had a positive indicator of the airlock disk breaking. We worked pipe in hole picking up to 180k string weight and slacking off to 80k making approx. 2' of downward progress on each stroke. Picked up Landing Joint and hanger and worked pipe in the until hanger was landed in well head. We then reciprocated landing joint until we had approx. 100k lbs. set on the hanger in the wellhead. Full returns with proper displacement Torque connections to 15,500 ft/lb 22 joints out - verified Shoe top @ 21,976.5' - Float collar top @ 21,931.7' - Landing collar top @ 21,887.8' - Frac Sleeve top @ 21,839.1' - Marker jt @ 20,902.6' - Marker jt @ 12,633.1' - Floatation collar top @ 11,621.8' - Packer top @ 10,494' - Marker jt @ 10,248.9' Ran a total of 18 solid body (6.25" OD) centralizes through curve. Note: Attempt to top off pipe with fill up hose @ 21,815' casing not filling up and air coming out of stump. Indicating floatation collar disk had burst.
05:00	06:00	1.00	21,991.0	6 3/4	Run casing & cement	Rig up/down to run casing	Hold PJSM - Rig down CRT and rig up cement head.

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0	
Intermediate	7 5/8	29.70	L-80	UPSF	25.0	10,797.6	7,767.2
Production	5 1/2	23.00	P-110	DQX	25.0	21,978.1	



Partner Drilling Report

Date: 6/11/2019

Report #: 42.0

Well Name: UTL 4546A-21 41H

DSS: 37.96

Lat: 31.66857600 Long: -103.21623900

Contractor: Independence Contract Drilling Division: County: WINKLER Regulatory Spud Date: 4/11/2019 Date TD Reached (wellbore): 6/8/2019 08:00 Rig Release Date: 6/10/2019 21:00 Target Formation: 3rd Bone Spring Sand Lower Type: Rig Accept Type: Rig Accept	Rig Number: 319 Area: Cochise State/Province: TX Measured Depth (ftKB): 21,991.0 End Depth (TVD) (ftKB): 11,159.7 Daily Progress (ft): 0.00 Daily Drilling Hours (hr): Date: 4/10/2019	Purpose: Production TD Field Name: PHANTOM (WOLFCAMP) API/UWI: 42495343350000 Drilling Permit Number: Ground Elevation (ft): 2,754.00 Original KB Elevation (ft): 2,779.00 KB-Ground Distance (ft): 25.00
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Daily Activity from 6/10/2019 - 6/11/2019

Operations at Report Time
 Rig released to UTL 4546B-21-51H

Operations Summary
 Fill casing & bleed air, circulate 1.5 times casing capacity, Pump cement & rig down cement crew, flush stack, back out of landing joint and wash top of hanger, set packoff & test same, install back pressure valve, ND BOP, release rig.

Operations Next Report Period
 Skid rig to UTL 4546B-21-51H, NU BOP and test, pick up curve BHA, TIH, displace with OBM, drill out 7-5/8" shoe track and rat hole, drill 6-3/4" curve section.

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com
06:00	07:30	1.50	21,991.0	6 3/4	Condition mud & circulate	Circulate and Condition	Finish rigging up cement iron, and fill void in 5.5" casing and bleeding air in stages. Verifying floatation collar had burst when running casing to bottom. Once casing capacity was reached stage up mud pump to establish circulation. Once circulation was establish and no losses were encountered, kill mud pumps and shut in against annular and full open choke.
07:30	10:30	3.00	21,991.0	6 3/4	Condition mud & circulate	Circulate and Condition	Circulate 1.5 time casing capacity at 4 BPM through full open choke prior to cementing casing. SPP: 2000 psi, 2267 max units of gas with no flare. No losses, MW 12.3 ppg. Rig down casing tools and hold PJSM with cement crew while circulating.
10:30	16:30	6.00	21,991.0	6 3/4	Run casing & cement	Cement	Cement Production casing as followed: Fill & pressure test lines to 8200 psi - good test Drop bottom plug Mix & pump 44.3 bbl spacer mudpush @ 12.43 ppg, 4 bpm Mix & pump 161.2 bbl (538 sx) lead cement @ 12.3 ppg, 4 bpm Mix & pump 187.6 bbl (709 sx) tail cement @ 14.0 ppg, 4 bpm Shut down, drop top plug (DSM verified) Wash up lines to trash tank Displace cement w/ 464 bbl @ 10 ppg brine, 4-3 bpm Slow rate last 100 bbl to 2 bpm Bumped plug on calculated volume FCP: 3250 psi Bump plug @ 3970 psi Floats held 5 mins Bleed back: 4.5 bbl 40 BBLs of spacer back to surface with trace of cement. Note: full returns throughout job
16:30	17:00	0.50	21,991.0	6 3/4	Run casing & cement	Rig up/down to run casing	Rig down cement head and circulating iron. Flush through stack, flowline, and choke with sugar water.
17:00	18:30	1.50	21,991.0	6 3/4	Other	Other	Back out of landing joint, drain stack and wash top of hanger off, install packoff, confirmed set and test seal to 10000 psi, pull test to 40K - confirmed locked. Lay down running tool, pick up 1" tubing and install back pressure valve - confirmed set.
18:30	21:00	2.50	21,991.0	6 3/4	Nipple up BOP	Nipple down BOPs	Hold PJSM with MedCentral, RU BOP winches, prepare to pick up stack, remove turnbuckles and catch pan, remove drilling choke lines and pick up, bleed off accumulator pressure, unbolt flowline and secure, remove mud line needed for walk, and mouse hole, break stack at drilling adapter and lift. Releases rig at 2100 hours on 6-10-2019

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
Conductor	20	94.00	H-40	Weld on	25.0	129.0	
Surface	13 3/8	48.00	J-55	ST&C	25.0	709.5	
Intermediate	9 5/8	40.00	J-55	LT&C	68.3	7,391.8	
Intermediate	9 5/8	40.00	J-55	LT&C	26.7	8,473.0	
Intermediate	7 5/8	29.70	L-80	UPSF	25.0	10,797.6	7,767.2
Production	5 1/2	23.00	P-110	DQX	25.0	21,978.1	





Partner Drilling Report

Date: 9/22/2019

Report #: 43.0

Well Name: UTL 4546A-21 41H

DSS: 37.96

Lat: 31.66857600 Long: -103.21623900

Contractor:	Rig Number:	Purpose:
Division:	Area:	Field Name:
County:	State/Province:	API/UWI:
Regulatory Spud Date:	Measured Depth (ftKB):	Drilling Permit Number:
Date TD Reached (wellbore):	End Depth (TVD) (ftKB):	Ground Elevation (ft):
Rig Release Date:	Daily Progress (ft):	Original KB Elevation (ft):
Target Formation:	Daily Drilling Hours (hr):	KB-Ground Distance (ft):
Type: Rig Accept	Date: 4/10/2019	
Type: Rig Accept		

Daily Activity from 9/22/2019 - 9/22/2019

Operations at Report Time

Operations Summary

Entry for True-Up

Operations Next Report Period

Time Log

Start Time	End Time	Dur (hr)	End Depth (ftKB)	Wellbore Size (in)	Act	Act Detail	Com

Casing Strings

Csg Des	OD (in)	Wt/Len (lb/ft)	Grade	Top Thread	Top (ftKB)	Set Depth (ftKB)	P LeakOff (psi)
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