



## OPERATIONS TIME LOG

## CASING

## TUBING

## SAFETY

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Total Hours	24.0
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DATE	July 28, 2018	API NUMBER	42495339370000	REPORT #	38
WELL	UL Mill 3427-21 2H				
FIELD	Phantom (Wolfcamp)				
STATE	Texas				

## OPERATIONS TIME LOG

<b>From</b>	<b>To</b>	<b>Hrs</b>	
06:00	06:45	0.8	Repair Pumps.
06:45	08:45	2.0	Frac Stg #37, PT Treating Iron to 11,412Psi, Frac Stg w/ 9,202 BBLS Frac Fluid, LTR This Stg- 9,307 BBLS, TLTR - 454,831 BBLS. ISIP = 5,323 psi, 1-min = 5,166 psi, 100% of Prop Placed. RT Ran during frac. 33 cups of OST 3710
08:45	14:15	5.5	W/O Patriot WL Crew to Re-Head WL, PU Lubricator, Plug & Perf Guns.
14:15	16:15	2.0	RU Patriot WL Crew. RIH w/CCL, Plug & Perf Guns. Set SLB Diamondback CFP (4.375" OD) AT 14,420'. Perf Stg #38 From 14,408' - 14,242'. PDV - 118 BBLS. POOH, ASF - Drop Ball on Hydraulic Master Valve. Turn Well to Frac.
			Frac Stg #38, PT Treating Iron to 11,412 Psi, Frac Stg w/ 13,043 BBLS Frac Fluid, LTR This Stg- 13,161 BBLS, TLTR - 467,992 BBLS. ISIP = 5,452 psi, 1-min = 5,370 psi, 100% of Prop Placed.
16:15	19:30	3.3	Diverter Drop #1 Hit PSI 10671 Max PSI 10961 Delta PSI 290 Diverter Drop #2 Hit PSI 10677 Max PSI 11060 Delta PSI 383 Diverter Drop #3 Hit PSI 10055 Max PSI 10711 Delta PSI 656 Diverter Drop #4 Hit PSI 9982 Max PSI 10447 Delta PSI 465
19:30	06:00	10.5	W/O Fishing Operations on the 1H
Total Hours		24.0	

## CASING

Type	OD	ID	Weight	Grade	Bottom MD	Connection	Remarks
Conductor	20	19.124	97.9	J-55	80	Welded	
Surface	13-3/8	12.615	54.5	J-55	1,612	STC	
Intermediate	10-3/4	9.950	45.5	J-55	5,135	BT&C	
Intermediate	7-5/8	6.875	29.7	P-110HC	11,153	BTC	
	5-1/2	4.670	23.0	P-110	21,822	GeoConn	Liner w/ATC hanger & Tieback

## TUBING

[illegible]

## SAFETY

Safety Meeting Topic				
Last BOP Test	BOP Test Due		Accidents	
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# DAILY REPORT

DATE	August 12, 2018	API NUMBER	42495339370000	REPORT #	2
WELL	UL Mill 3427-21 2H				
FIELD	Phantom (Wolfcamp)				
STATE	Texas				

## OPERATIONS TIME LOG

From	To	Hrs	
06:00	08:00	2.0	HELD SAFETY MEETING WITH ALL SUPPORTING VENDORS. NU 5 1/8" COIL TBG BOPS. RU 2 5/8" COIL TBG UNIT AND CRANE. CUT 20' COIL TBG OFF REEL. WELD ON NEW COIL TUBING CONNECTOR, LET CONNECTOR COOL. PULL TEST CONNECTOR TO 40K NU CT LUBRICATOR. PRESSURE TEST CT LUBRICATOR, TEST STACK ABOVE BOTTOM MASTER VALVE AND TEST DRILLOUT FLOWBACK EQUIPMENT TO 7,500#, HELD GOOD 10 MIN. RELEASE PRESSURE.
08:00	08:45	0.8	MU BAKER HUGHES TOOL STRING AS FOLLOWS: O.D. LENGTH: 1 - 2.88" X 1.25" X 0.25" WELD ON COIL CONNECTOR 1 - 2.88" X 1.00" X 1.94" DUAL BACK PRESSURE VALVE 1 - 2.88" X 0.69" X 2.13" T.J. HYDRAULIC DISCONNECT W/ 3/4" ACTIVATION BALL 1 - 2.88" - 2.60" TEMPRESS SCREEN SUB 1 - 2.88" - 2.69" TEMPRESS HYDROPULL EXTENDED REACH TOOL 1 - 2.88" - 12.63" X-TREME AD MOTOR 1 - 3.13" - .90" X 1.16" CROSSOVER 2 3/8 REG BOX X 2 3/8 PAC PIN 1 - 4.50" X 1.00" X 0.50" BORE HAUG JZ HYBRID SEALED BEARING ROCK BIT. TOTAL BHA LENGTH = 23.90'
08:45	10:15	1.5	EQUILIZE AND OPEN BOTTOM FRAC VALVE. SI 5 1/2" CP 4,000#. RIW W/ COIL TBG AND MOTOR ASSEMBLY TO 11,188' @ 80' - 100' FPM, PUMPING 1 BPM, RETURNS 1 BPM. INCREASE PUMP RATE TO 3.5 BPM AND RETURNS TO 3.5 BPM.
10:15	11:15	1.0	LOWER BIT, TAG PLUG 50 @ 12,065' CTM, (12,055' WLM ), DRILLED IN 23 MIN, PUMPING 3.5 BPM, 21/64 CK, RETURNS 3.5 BPM, WHP 3,500 PSI, CIRCULATING PRESS 6,300 PSI, NO SAND, PUMP 10 BBL 92 VIS GEL SWEEP.
11:15	11:45	0.5	LOWER BIT, TAG PLUG 49 @ 12,269' CTM, (12,251' WLM ), DRILLED IN 13 MIN, PUMPING 3.5 BPM, 21/64 CK, RETURNS 3.5 BPM, WHP 3,500 PSI, CIRCULATING PRESS 6,300 PSI, NO SAND, PUMP 10 BBL 94 VIS GEL SWEEP.
11:45	12:15	0.5	LOWER BIT, TAG PLUG 48 @ 12,469' CTM, (12,447' WLM ), DRILLED IN 16 MIN, PUMPING 3.5 BPM, 21/64 CK, RETURNS 3.5 BPM, WHP 3,400 PSI, CIRCULATING PRESS 6,200 PSI, NO SAND, PUMP 10 BBL 97 VIS GEL SWEEP.
12:15	13:00	0.8	LOWER BIT, TAG PLUG 47 @ 12,661' CTM, (12,642' WLM ), DRILLED IN 12 MIN, PUMPING 3.5 BPM, 21/64 CK, RETURNS 3.5 BPM, WHP 3,400 PSI, CIRCULATING PRESS 6,500 PSI, NO SAND, PUMP 10 BBL 96 VIS GEL SWEEP.
13:00	13:30	0.5	LOWER BIT, TAG PLUG 46 @ 12,859' CTM, (12,838' WLM ), DRILLED IN 10 MIN, PUMPING 3.5 BPM, 21/64 CK, RETURNS 3.5 BPM, WHP 3,500 PSI, CIRCULATING PRESS 6,500 PSI, NO SAND, PUMP 10 BBL 98 VIS GEL SWEEP.
13:30	14:00	0.5	LOWER BIT, TAG PLUG 45 @ 13,067' CTM, (13,046' WLM ), DRILLED IN 10 MIN, PUMPING 3.5 BPM, 21/64 CK, RETURNS 3.5 BPM, WHP 3,500 PSI, CIRCULATING PRESS 6,500 PSI, NO SAND, PUMP 10 BBL 95 VIS GEL SWEEP.
14:00	14:30	0.5	LOWER BIT, TAG PLUG 44 @ 13,271' CTM, (13,253' WLM ), DRILLED IN 7 MIN, PUMPING 3.5 BPM, 21/64 CK, RETURNS 3.6 BPM, WHP 3,800 PSI, CIRCULATING PRESS 6,400 PSI, NO SAND, PUMP 10 BBL 98 VIS GEL SWEEP.
14:30	15:00	0.5	LOWER BIT, TAG PLUG 43 (13,460' WLM ), DID NOT SEE, NO SHOW, PUMPING 3.5 BPM, 21/64 CK, RETURNS 3.6 BPM, WHP 3,800 PSI, CIRCULATING PRESS 6,400 PSI, NO SAND, PUMP 10 BBL 95 VIS GEL SWEEP.
15:00	15:30	0.5	LOWER BIT, TAG PLUG 42 @ 13,658' CTM, (13,640' WLM ), DRILLED IN 8 MIN, PUMPING 3.5 BPM, 21/64 CK, RETURNS 3.6 BPM, WHP 3,800 PSI, CIRCULATING PRESS 6,400 PSI, NO SAND, PUMP 10 BBL 96 VIS GEL SWEEP.
15:30	15:45	0.3	LOWER BIT, TAG PLUG 41 @ 13,864' CTM, (13,843' WLM ), DRILLED IN 9 MIN, PUMPING 3.5 BPM, 21/64 CK, RETURNS 3.6 BPM, WHP 3,500 PSI, CIRCULATING PRESS 6,400 PSI, NO SAND, PUMP 10 BBL 94 VIS GEL SWEEP.
15:45	16:00	0.3	LOWER BIT, TAG PLUG 40 @ 14,017' CTM, (14,045' WLM ), DRILLED IN 9 MIN, PUMPING 3.5 BPM, 21/64 CK, RETURNS 3.6 BPM, WHP 3,500 PSI, CIRCULATING PRESS 6,400 PSI, NO SAND, PUMP 10 BBL 93 VIS GEL SWEEP.
16:00	18:45	2.8	LOWER BIT, TAG PLUG 39, PUMP 10 - 20 - 10' GEL SWEEP, 99 VIS, CIRCULATE SWEEPS OUT OF COIL TBG, PUMP 45 BBL CLEAN UP CYCLE. SHORT TRIP TO 12,230', CIRCULATING PRESSURE 6,500#, WHP 3,700 PSI, HAD NO ABNORMAL DRAG ON SHORT TRIP, MED TO LT SAND.
18:45	19:00	0.3	LOWER BIT, TAG PLUG 39 @ 14,246' CTM, (14,227' WLM ), DRILLED IN 3 MIN, PUMPING 3.5 BPM, 21/64 CK, RETURNS 3.5 BPM, WHP 3,400 PSI, CIRCULATING PRESS 6,398 PSI, NO SAND, PUMP 10 BBL 86 VIS GEL SWEEP.
19:00	19:30	0.5	LOWER BIT, TAG PLUG 38 @ 14,434' CTM, (14,420' WLM ), DRILLED IN 7 MIN, PUMPING 3.5 BPM, 21/64 CK, RETURNS 3.6 BPM, WHP 3,400 PSI, CIRCULATING PRESS 6,290 PSI, NO SAND, PUMP 10 BBL 87 VIS GEL SWEEP.
19:30	19:45	0.3	LOWER BIT, TAG PLUG 37 @ 14,617' CTM, (14,602' WLM ), DRILLED IN 5 MIN, PUMPING 3.5 BPM, 21/64 CK, RETURNS 3.6 BPM, WHP 3,300 PSI, CIRCULATING PRESS 6,309 PSI, NO SAND, PUMP 10 BBL 90 VIS GEL SWEEP.
19:45	20:15	0.5	LOWER BIT, TAG PLUG 36 @ 14,850' CTM, (14,831' WLM ), DRILLED IN 8 MIN, PUMPING 3.5 BPM, 21/64 CK, RETURNS 3.5 BPM, WHP 3,600 PSI, CIRCULATING PRESS 6,200 PSI, LIGHT SAND, PUMP 10 BBL 85 VIS GEL SWEEP.
20:15	20:45	0.5	LOWER BIT, TAG PLUG 35 @ 15,047' CTM, (15,033' WLM ), DRILLED IN 8 MIN, PUMPING 3.5 BPM, 21/64 CK, RETURNS 3.5 BPM, WHP 3,200 PSI, CIRCULATING PRESS 6,400 PSI, LIGHT SAND, PUMP 10 BBL 85 VIS GEL SWEEP.
20:45	22:00	1.3	LOWER BIT, TAG PLUG 34 @ 15,239' CTM, (15,228' WLM ), DRILLED IN 7 MIN, PUMPING 3.5 BPM, 21/64 CK, RETURNS 3.7 BPM, WHP 3,000 PSI, CIRCULATING PRESS 6,400 PSI, MEDIUM SAND, PUMP 10 BBL 92 VIS GEL SWEEP.
22:00	22:30	0.5	LOWER BIT, TAG PLUG 33 @ 15,439' CTM, (15,432' WLM ), DRILLED IN 4 MIN, PUMPING 3.5 BPM, 21/64 CK, RETURNS 3.5 BPM, WHP 3,300 PSI, CIRCULATING PRESS 6,300 PSI, LIGHT SAND, PUMP 10 BBL 88 VIS GEL SWEEP.
22:30	23:00	0.5	LOWER BIT, TAG PLUG 32 @ 15,630' CTM, (15,620' WLM ), DRILLED IN 6 MIN, PUMPING 3.5 BPM, 21/64 CK, RETURNS 3.5 BPM, WHP 3,300 PSI, CIRCULATING PRESS 6,100 PSI, LIGHT SAND, PUMP 10 BBL 91 VIS GEL SWEEP.
23:00	23:30	0.5	LOWER BIT, TAG PLUG 31 @ 15,845' CTM, (15,832' WLM ), DRILLED IN 7 MIN, PUMPING 3.5 BPM, 21/64 CK, RETURNS 3.5 BPM, WHP 3,500 PSI, CIRCULATING PRESS 6,200 PSI, LIGHT SAND, PUMP 10 BBL 77 VIS GEL SWEEP.
23:30	00:00	0.5	LOWER BIT, TAG PLUG 30 @ 16,041' CTM, (16,031' WLM ), DRILLED IN 10 MIN, PUMPING 3.5 BPM, 21/64 CK, RETURNS 3.5 BPM, WHP 3,500 PSI, CIRCULATING PRESS 6,200 PSI, LIGHT SAND, PUMP 10 BBL 86 VIS GEL SWEEP.
00:00	02:15	2.3	LOWER BIT, TAG PLUG 29, PUMP 10 - 20 - 10' GEL SWEEP, 90 VIS, CIRCULATE SWEEPS OUT OF COIL TBG, PUMP 70 BBL CLEAN UP CYCLE. SHORT TRIP TO 14,225', CIRCULATING PRESSURE 6,300#, WHP 3,500 PSI, HAD NO ABNORMAL DRAG ON SHORT TRIP, MED TO LT SAND.
02:15	02:30	0.3	LOWER BIT, TAG PLUG 29 @ 16,241' CTM, (16,231' WLM ), DRILLED IN 6 MIN, PUMPING 3.5 BPM, 21/64 CK, RETURNS 3.5 BPM, WHP 3,600 PSI, CIRCULATING PRESS 6,200 PSI, NO SAND, PUMP 10 BBL 85 VIS GEL SWEEP.
02:30	03:00	0.5	LOWER BIT, TAG PLUG 28 @ 16,439' CTM, (16,431' WLM ), DRILLED IN 8 MIN, PUMPING 3.5 BPM, 21/64 CK, RETURNS 3.5 BPM, WHP 3,500 PSI, CIRCULATING PRESS 6,300 PSI, LIGHT SAND, PUMP 10 BBL 90 VIS GEL SWEEP.
03:00	03:45	0.8	LOWER BIT, TAG PLUG 27 @ 16,640' CTM, (16,630' WLM ), DRILLED IN 8 MIN, PUMPING 3.5 BPM, 21/64 CK, RETURNS 3.5 BPM, WHP 3,600 PSI, CIRCULATING PRESS 6,200 PSI, LIGHT SAND, PUMP 10 BBL 87 VIS GEL SWEEP.
03:45	04:15	0.5	LOWER BIT, TAG PLUG 26 @ 16,838' CTM, (16,830' WLM ), DRILLED IN 8 MIN, PUMPING 3.5 BPM, 21/64 CK, RETURNS 3.5 BPM, WHP 3,600 PSI, CIRCULATING PRESS 6,200 PSI, LIGHT SAND, PUMP 10 BBL 92 VIS GEL SWEEP.
04:15	04:45	0.5	LOWER BIT, TAG PLUG 25 @ 17,037' CTM, (17,030' WLM ), DRILLED IN 7 MIN, PUMPING 3.5 BPM, 21/64 CK, RETURNS 3.5 BPM, WHP 3,500 PSI, CIRCULATING PRESS 6,300 PSI, LIGHT SAND, PUMP 10 BBL 84 VIS GEL SWEEP.
Total Hours		22.8	

## CASING

Type	OD	ID	Weight	Grade	Bottom MD	Connection	Remarks
Conductor	20	19.124	97.9	J-55	80	Welded	
Surface	13-3/8	12.615	54.5	J-55	1,612	STC	
Intermediate	10-3/4	9.950	45.5	J-55	5,135	BT&C	
Intermediate	7-5/8	6.875	29.7	P-110HC	11,153	BTC	
	5-1/2	4.670	23.0	P-110	21,822	GeoConn	Liner w/ATC hanger & Tieback

## TUBING

Type	OD	ID	Weight	Grade	Btm Pipe MD	Length	Remarks

## SAFETY

Safety Meeting Topic		BOP Test Due		Accidents	
Last BOP Test					



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