

District I - (575) 393-6161
5625 N. French Dr., Hobbs, NM 88240
District II - (575) 748-1283
811 S. First St., Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Rd., Aztec, NM 87410
District IV - (505) 476-3460
1220 S. St. Francis Dr., Santa Fe, NM 87505

HOBBS OCD
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505
SEP 25 2013

RECEIVED

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)		WELL API NO. 30-025-35572
1. Type of Well: Oil Well ☐ Gas Well ☐ Other ☒ INS		5. Indicate Type of Lease STATE ☒ FEE ☐
2. Name of Operator ConocoPhillips Company		6. State Oil & Gas Lease No. B-2118
3. Address of Operator P. O. Box 51810 Midland, TX 79710		7. Lease Name or Unit Agreement Name Leamex
4. Well Location Unit Letter <u>K</u> : 1980 feet from the <u>South</u> line and 1980 feet from the <u>West</u> line Section <u>24</u> Township <u>17S</u> Range <u>33E</u> NMPM County <u>Lea</u>		8. Well Number 60W
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4110' GR		9. OGRID Number 217817
10. Pool name or Wildcat Maljamar; Grayburg-San Andres		

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐
 DOWNHOLE COMMINGLE ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS. ☐ P AND A ☐
 CASING/CEMENT JOB ☐

OTHER: Add Pay ☒

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 19.15.7.14 NMAC. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

WFX-775

ConocoPhillips respectfully request to add pay to the Grayburg-San Andres.

Attached are the procedures and a current wellbore schematic.

During this procedure we plan to use the Closed-Loop System and haul content to the required disposal.

Spud Date:

Rig Release Date:

CONDITION OF APPROVAL: Operator shall give the OCD District Office 24 hour notice before running the MIT test and chart.

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE

Rhonda Rogers

TITLE Staff Regulatory Technician

DATE 09/24/2013

Type or print name Rhonda Rogers

E-mail address: rogers@conocophillips.com

PHONE: (432)688-9174

For State Use Only

APPROVED BY

E. Brugh

TITLE

Dist. Mgr.

DATE

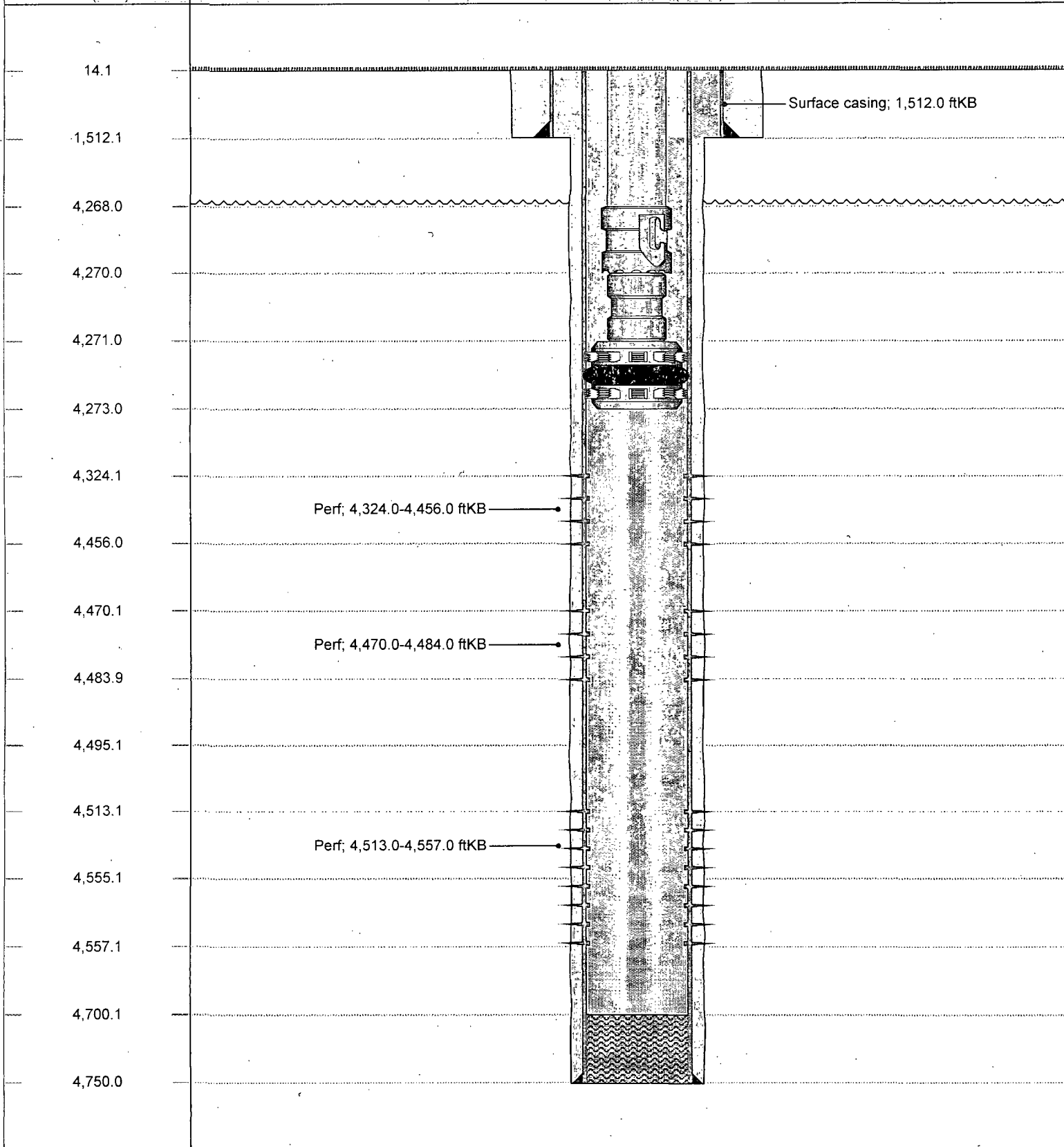
9-26-2013

Conditions of Approval (if any):

SEP 26 2013

District PERMIAN	Field Name MALJAMAR	API / UWI 300253557200	County LEA	State/Province NEW MEXICO	
Original Spud Date	Surface Legal Location	East/West Distance (ft)	East/West Reference	North/South Distance (ft)	North/South Reference

Vertical: Main Hole, 9/24/2013 8:16:28 AM
 MD: (ftKB) Vertical schematic (actual)





API #30-025-35572

Leamex-60W: Frac Procedure
Maljamar Field
Lea County, New Mexico

The subject workover consists of re-activating the currently SI Leamex-60W. The Grayburg will be perforated over the interval 4495-4555 and frac-treated w/ 99,500 gal DeltaFrac 140 R(16) w/ 142,000# 16/30 & 20,000 @ CRC 16/30 sand.

The Leamex-60W is to be frac-treated in an effort to improve injection and offset production performance.

The Leamex-60W is offset by the following wells:

Offset	Well	XSPOC-Sourced Well Test				Cumulative Production				
		BOPD	MCFPD	BWPD	Date	BO	MCF	BW	First Prod	Last Prod
	Leamex-60W									
N	Leamex-23	2	1	1	02.18.13	28641	71817	6869	1980/01	2013/01
E	Leamex-28	11	5	50	06.14.11	72727	256630	110821	1981/01	2013/01
S	Leamex-31	3	3	4	06.22.11	34335	121177	17705	1982/03	2013/01
W	Leamex-29	5	12	38	06.15.11	29195	196551	43383	1980/12	2013/01

WELL CATEGORY, BOP CLASS AND EXCEPTIONS

Well Category One:

H2S: 130 ppm (Leamex 5-6 Battery).
Well Rate: SI WIW

<u>H2S</u>	<u>ROE- ft.</u>
100 ppm	0
500 ppm	0

BOPE Class One: Hydraulic BOP recommended.

PROCEDURE

1. Prior to move-in of well service unit:
Spot 7 clean 500 bbl frac tanks. Prior to frac date, load tanks w/ fresh water. Water to be biocide-treated by frac service provider.
2. MI & RU service unit. ND well. NU hydril BOP (last well service: 08.2005).
3. Release PKR & POOH. Scan 2-3/8", 4.7#, J-55 IPC (TK-70) injection tbg while POOH.

The following is a summary of the current down hole well configuration:

Leamex-60W (API: 30-025-35572)			
1980 FSL & 1980 FWL, 24K-17S-33E			
Elev.: 4124 KB; 4110 GL (KB - GL: 14 ft.)			
	Depth: ft. (RKB)		
	top	btm	
8-5/8", 24# J-55 (11"-3000# SOW csg head)	surface	1512	06.19.01: Cmt w/ 710 sx. Circ cmt to surface (9 sx)
5-1/2", 15.5# J-55 (11"-3000# x 7-1/16"-5000# tbq head)	surface	4751	06.26.01: Cmt w/ 1050 sx. Circ cmt to surface (35 sx)
DownHole Detail			
134 jts: 2-3/8", 4.7#, IPC (TK-70) tbq w/	surface	4270	08.16.05: Re-ran tbq. Test to 5000# while RIH
1: 5-1/2" x 2-3/8" on-off tool w/ 1.78" F-profile	4270	4271	(Tbq ran during initial completion: 11.2001)
1: G-6 nickel -plated PKR	4271	4273	
Perforated Intervals:			
Grayburg			11.06.01:
	4324	4334	Zone-3: 4324-4334 (10 ft.: 40 holes)
	4361	4367	Zone-4: 4361-4367 (6 ft.: 24 holes)
	4416	4422	Zone-5: 4416-4422 (6 ft.: 24 holes)
	4430	4433	Zone-5: 4430-4433 (3 ft.: 12 holes)
	4447	4456	Zone-5: 4447-4456 (9 ft.: 36 holes)
	4470	4475	Zone-6: 4470-4475 (5 ft.: 20 holes)
	4481	4484	Zone-6: 4481-4484 (3 ft.: 12 holes)
	4513	4523	Zone-6: 4513-4523 (10 ft.: 40 holes)
	4527	4532	Zone-6: 4527-4532 (5 ft.: 20 holes)
	4536	4540	Zone-6: 4536-4540 (4 ft.: 16 holes)
	4552	4557	Zone-6: 4552-4557 (5 ft.: 20 holes)
PBD	4701		08.12.05: Cleaned-out to PBD
TD		4751	06.24.01

4. PU & RIH w/ 4-3/4" bit (5-1/2", 15.5# csg), 6: 3-1/2" DC & 2-7/8", 6.5#, N-80 tbq.
RU reverse unit. Clean out to PBD @ 4701.
POOH w/ tbq. LD DCs & bit.
5. RU SLB perforating services.. NU lubricator & test @ 500#.
Perforate following Grayburg intervals @ 60-degree phasing w/ 3-3/8", PowerJet 3406, HMX,
22.7 gm. (EHD: 0.36 in.; Penetration: 36 in.):

Interval	Feet	SPF	Perforations
4495-4555	60	2	120

RD perforating services.

6. RIH w/ 2-7/8", 6.5#, N-80 tbq string w/ PKR (5-1/2", 15.5# csg).
Test tbq below slips @ 8000# while RIH (2-7/8", 6.5#, N-80 Internal Yield Prs: 10,570).
Acidize perforated interval w/ 1500 gal (35.7 bbl) 15% NE Fe HCl:
RIH w/ PKR to 4555
Spot 250 gal 15% HCl (pump 6 bbl 15% NE Fe HCl followed by 24.8 bbl fresh water).
SD & allow well to equalize.
Set PKR @ 4200 (between collars: 4166 & 4212)....acid column: 4305-4555

Pump remaining 1250 gal 15% NE Fe HCl
 Flush w/ 40 bbl fresh water (capacity to 4555: 32.8 bbl)
 Anticipated treating prs: 2700# @ 3 BPM

7. ND BOP. NU 10K frac-valves.

8. RU HES. Set treating line pop-off to release @ 7500#.
 Set pump trips @ 7000#
 Install spring-operated relief valve on csg-tbg annulus. Pre-set @ 500#.
 Load 2-7/8" x 5-1/2" annulus. Note annulus fill volume. Place 200# on csg.
 Test surface lines @ 8000#.

Frac down 2-7/8", 6.5#, N-80 tbg w/ 99,500 gal DeltaFrac 140 R(16) w/ 142,000# 16/30 & 20,000 @ CRC 16/30 sand.

Mark flush @ 2#. Flush w/ 1085 gal (25.8 bbl) WaterFrac G R(16)
 (capacity to uppermost perforation: 1145 gal; 27.3 bbl).

Anticipated treating rate: 25 BPM @ 5750#:

	Fluid	Proppant	Clean Vol.		Proppant			Slurry Vol			Pump Time @ 25 BPM	
			gal	bbl	ppg	lbs	cum lbs	gal	bbl	cum bbl	min.	cum min.
Pad	DeltaFrac 140 R(16)		35000	833.3	0.00	0	0	35000	833.3	833	33.3	33.3
Stage	DeltaFrac 140 R(16)	16/30	2000	47.6	0.25	500	500	2023	48.2	881	1.9	35.3
Stage	DeltaFrac 140 R(16)	16/30	2500	59.5	0.50	1250	1750	2557	60.9	942	2.4	37.7
Stage	DeltaFrac 140 R(16)	16/30	3000	71.4	0.75	2250	4000	3102	73.9	1016	3.0	40.6
Stage	DeltaFrac 140 R(16)	16/30	3500	83.3	1.00	3500	7500	3659	87.1	1103	3.5	44.1
Stage	DeltaFrac 140 R(16)	16/30	4000	95.2	1.25	5000	12500	4227	100.6	1204	4.0	48.2
Stage	DeltaFrac 140 R(16)	16/30	5000	119.0	1.50	7500	20000	5340	127.1	1331	5.1	53.2
Stage	DeltaFrac 140 R(16)	16/30	6000	142.9	2.00	12000	32000	6544	155.8	1487	6.2	59.5
Stage	DeltaFrac 140 R(16)	16/30	7000	166.7	2.50	17500	49500	7793	185.5	1672	7.4	66.9
Stage	DeltaFrac 140 R(16)	16/30	8500	202.4	3.00	25500	75000	9655	229.9	1902	9.2	76.1
Stage	DeltaFrac 140 R(16)	16/30	10000	238.1	3.50	35000	110000	11586	275.8	2178	11.0	87.1
Stage	DeltaFrac 140 R(16)	16/30	8000	190.5	4.00	32000	142000	9450	225.0	2403	9.0	96.1
Stage	DeltaFrac 140 R(16)	CRC 16/30	5000	119.0	4.00	20000	162000	5906	140.6	2544	5.6	101.8
Flush-1	WaterFrac G R(16)		1085	25.8	0.00	0	162000	1085	25.8	2570	1.0	102.8
Flush-2			0	0.0	0.00	0	162000	0	0.0	2570	0.0	102.8
Flush-3			0	0.0	0.00	0	162000	0	0.0	2570	0.0	102.8
			100585	2394.9		162000		107924	2569.6		102.8	

Report ISIP, SITP(5 min), SITP(10 min) & SITP(15 min). RD HES.

SION to allow resin-coated sand to cure.

9. Flow back well until dead.

10. ND frac-valves. NU BOP.
 POOH w/ 2-7/8", 6.5#, N-80 frac string & PKR.

11. RIH w/ 2-7/8", 6.5#, N-80 workstring w/ 6: 3-1/2" DC & 4-3/4" bit.
 Clean-out to PBD @ 4701.
 Spot 12 bbl biocide pill: pump 12 bbl biocide-treated water followed by 24 bbl fresh water.

POOH & LD 2-7/8" tbg, DC & bit (biocide-treated column: 4196-4701).

12. PU & RIH w/ 2-3/8", 4.7#, J-55 IPC (TK-99 or BD-401) w/
nickel-plated PKR (5-1/2", 15.5#) w/ pump-out plug
on-off tool w/ XN profile (1.875" x 1.791" no-go)
Set PKR @ 4265 (top perf: 4324; previous PKR placement: 4272; collars: 4260 & 4308)
Test 2-3/8" x 5-1/2" annulus @ 600#.
Release from PKR. Circulate well w/ biocide-treated PKR fluid (annular capacity: 78 bbl)
Engage on-off tool.
13. ND BOP. NU well. Re-test 2-3/8" x 5-1/2" annulus @ 600#. RD & MO well service unit.
14. Run MIT:
 - a. Notify OCD (Sylvia Dickey) prior to MIT. OCD may elect to witness test.
 - b. RU pump truck to csg.
 - c. Place 550# on 2-3/8" x 5-1/2" annulus.
 - d. Chart pressure for 30 min. (may want to inquire if OCD will accept digital recorded pressure)
 - e. Release csg pressure. Forward chart to Production Specialist for forwarding to Regulatory for filing w/ OCD.
 - f. Record chart data & MIT in WellView.
15. Prs tbg and shear plug. Return well to injection service.