

Submit 1 Copy To Appropriate District
Office
District I - (575) 393-6161
1625 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

State of New Mexico
Energy, Minerals and Natural Resources
HOBBS OCD
OIL CONSERVATION DIVISION
220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised August 1, 2011

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. 30-025-35570
1. Type of Well: Oil Well ☐ Gas Well ☐ Other ☒ INT		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>O</u> : 660 feet from the <u>South</u> line and <u>2130</u> feet from the <u>East</u> line Section <u>24</u> Township <u>17S</u> Range <u>33E</u> NMPM County <u>Lea</u>		8. Well Number 58W
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 4104' 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:

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

SIGNATURE

TITLE Staff Regulatory Technician

DATE 09/24/2013

Type or print name Rhonda Rogers

E-mail address: rogerrs@conocophillips.com

PHONE: (432)688-9174

For State Use Only

APPROVED BY

TITLE

DIST. MGR

DATE

9-26-2013

Conditions of Approval (if any):

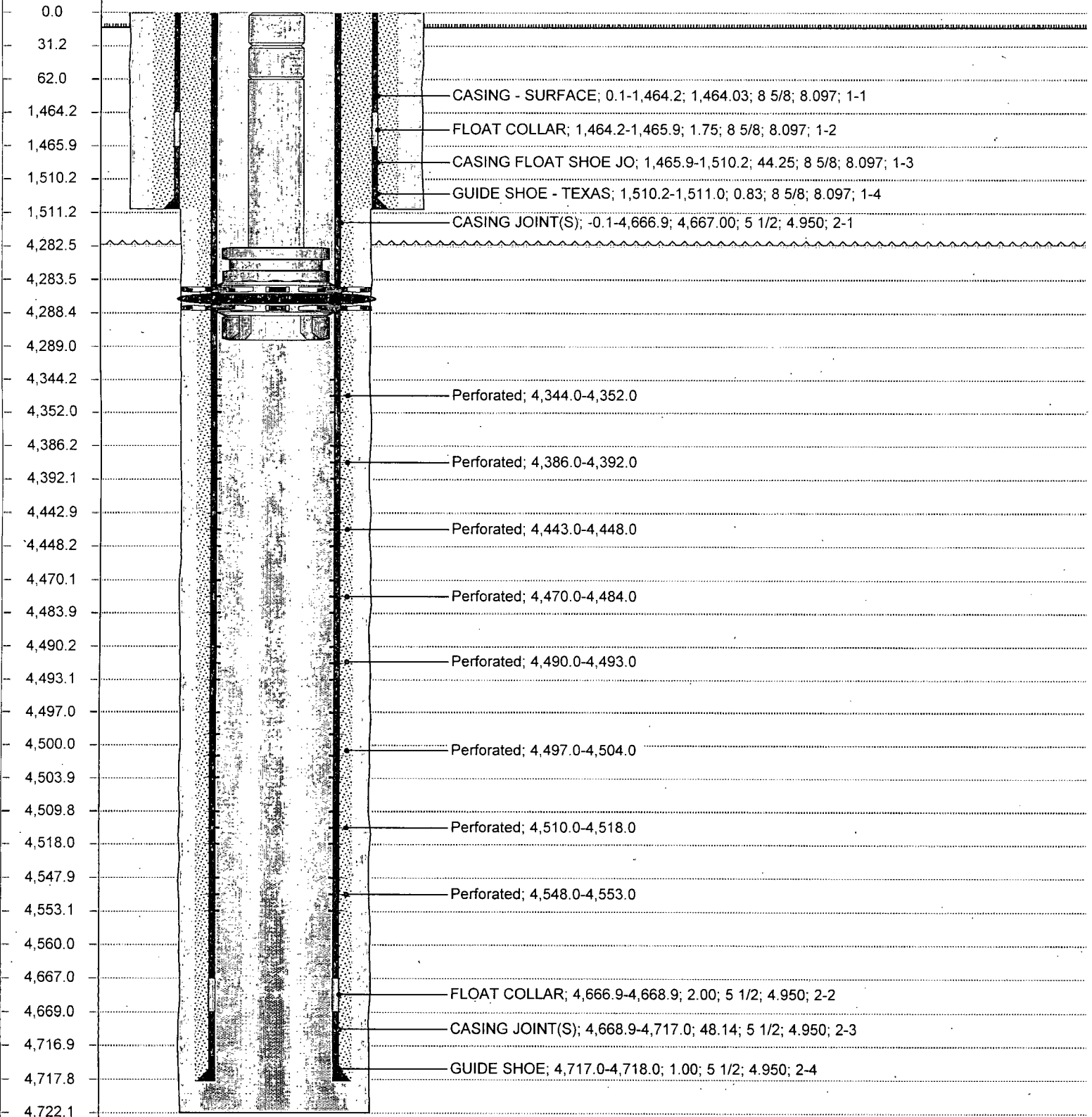
CONDITION OF APPROVAL: Operator shall give the OCD
District Office 24 hour notice before running the MIT test and chart.

SEP 26 2013
HES

District PERMIAN	Field Name DISTRICT - SWR-MNT-PB-BUCK	API / UWI 300253557000	County LEA	State/Province NEW MEXICO
Original Spud Date 6/26/2001	Surface Legal Location	East/West Distance (ft) 2,130.00	East/West Reference E	North/South Distance (ft) 660.00
North/South Reference S				

VERTICAL: MAIN HOLE, 9/23/2013 10:33:51 AM

MD (ftKB) Vertical schematic (actual)





API # 30-025-35570

Leamex-58W: Frac Procedure
Maljamar Field
Lea County, New Mexico

The subject workover consists of re-activating the currently SI Leamex-58W. The Grayburg will be perforated over the interval 4500-4560 and frac-treated w/ 99,500 gal DeltaFrac 140 R(16) w/ 142,000# 16/30 & 20,000 @ CRC 16/30 sand.

The Leamex-58W is to be frac-treated in an effort to improve injection and offset production performance

The Leamex-58W 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-58W									
N	Leamex-28	11	5	50	06.14.11	72727	256630	110821	1981/01	2013/01
E	Leamex-32	14	5	10	06.24.13	47587	139315	17265	1982/02	2013/01
S	Leamex-37	2	2	2	05.11.11	17350	23047	24570	1986/01	2013/01
W	Leamex-31	3	3	4	06.22.11	34335	121177	17705	1982/03	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 hydriil BOP (last well service: 04.2010).
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-58W (API: 30-025-35570)			
660 FSL & 2130 FEL, 24 O-17S-33E			
Elev.: 4118 KB; 4104 GL (KB - GL: 14 ft.)			
	Depth: ft. (RKB)		
	top	btm	
8-5/8", 24#, J-55 (11"-3000# SOW csg head)	surface	1510	06.28.01: Cmt w/ 770 sx. Circ cmt to surface
5-1/2", 15.5#, J-55 (11"-3000# x 7-1/16"-5000# tbq head)	surface	4758	07.07.01: Cmt w/ 1170 sx. Circ cmt to surface (180 sx)
DownHole Detail			
135 jts: 2-3/8", 4.6#, J-55 IPC (TK-70) w/	surface	4283	11.01.01: Current tbq string installation date
1: on-off tool w/ 1.76" F-profile	4283	4284	
1: Guiberson G-6 nickel -plated PKR	4284	4288	
1: nickel -plated Wire-Line Re-Entry Guide	4288	4289	
Perforated Intervals:			10.29.01:
Grayburg	4344	4352	Zone-3: 4344-4352 (8 ft.: 32 holes)
	4386	4392	Zone-4: 4386-4392 (6 ft.: 24 holes)
	4443	4448	Zone-5: 4443-4448 (5 ft.: 20 holes)
	4470	4484	Zone-5: 4470-4484 (14 ft.: 56 holes)
	4490	4493	Zone-5: 4490-4493 (3 ft.: 12 holes)
	4497	4504	Zone-6: 4497-4504 (7 ft.: 28 holes)
	4510	4518	Zone-6: 4510-4518 (8 ft.: 32 holes)
	4548	4553	Zone-6: 4548-4553 (5 ft.: 20 holes)
PBD	4660		10.20.01: Cased-hole logger depth 4655
			08.02.05: Cleaned out 4499-4660
TD		4722	07.07.01

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 @ 4660 (08.02.05: Clean-out 4499-4660) 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
4500-4560	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 4560

Spot 250 gal 15% HCl (pump 6.0 bbl 15% NE Fe HCl followed by 24.8 bbl fresh water).

SD & allow well to equalize.

Set PKR @ 4200 (between collars: 4177 & 4225)....acid column: 4310-4560

Pump remaining 1250 gal 15% NE Fe HCl

Flush w/ 40 bbl fresh water (capacity to 4560: 32.9 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/ 1100 gal (26.2 bbl) WaterFrac G R(16)

(capacity to uppermost perforation: 1165 gal; 27.7 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)		1100	26.2	0.00	0	162000	1100	26.2	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
			100600	2395.2		162000		107939	2570.0		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 @ 4660.

Pump 12 bbl biocide-treated water followed by 24 bbl fresh water.

POOH & LD 2-7/8" tbg, DC & bit (biocide-treated column: 4156-4660).

12. RIH w/ 2-3/8", 4.7# , J-55 IPC (TK-70) tbg 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)
Test tbg below slips to 3000#.
Set PKR @ 4260 (top perf: 4344; previous PKR depth: 4267; collars: 4225 & 4273;)
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.