District I 1625 N. French Dr., Hobbs, NM 88240
Phone: (575) 393-6161 Fax: (575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone: (575) 748-1283 Fax: (575) 748-9720
District III
1000 Rio Brazos Road, Aztec, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

Phone: (505) 476-3460 Fax: (505) 476-3462

API Number

# State of New Mexico Energy, Minerals & Natural Resources Department OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, NM 87505

Form C-102
Revised August 1, 2011
Submit one copy to appropriate
District Office

<sup>3</sup> Pool Name

Lusk (Delaware) West

☐ AMENDED REPORT

Well Number

3582

W	EL	L	LO	CA	ATIC	ON	AND	ACRE	AGE	DEDIC	CAT	TION	PL	AT
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<sup>5</sup> Property Name

<sup>8</sup> Operator Name Shackelford Oil Company

Lusk West Delaware Unit FederaL

<sup>2</sup> Pool Code

					10 Surface Lo	ocation			All distances
L or lot no. B	Section 20	Township 19S	Range 32E	Lot Idn	Feet from the 335	North/South line North	Feet from the 1656	East/West line East	County Lea
			<sup>11</sup> Bot	tom Hole	Location If	Different From	Surface		
L or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	<sup>13</sup> Joint o	r Infill	<sup>4</sup> Consolidation C	ode 15 Orde	er No.				
o allowable w vision.	vill be ass	signed to	this completi	on until all	interests have b	een consolidated o	r a non-standard	unit has been appr	roved by the
16					3351	1656'	I hereby certify the to the best of my k owns a working in the proposed botte location pursuant interest, or to a ve	CRATOR CERTIFICATION CONTAINED AT THE INFORMATION CONTAINED AT THE INFORMA	erein is true and comple this organization either erest in the land includin t to drill this well at this f such a mineral or worl
							I hereby cert plat was plot made by me same is true Date of Survey Signature and	Seal of Professional Surve	on shown on this factual surveys on, and that the t of my belief.

23 NES FEDERAL DJONES FEDERAL D EDDY UNITRIG EDDY UNIT 026 JOJIES C FEDERAL 400 JONES FEDERAL C LUSK DEEP O RADAR 24 FEDERAL JONES FEDERAL B JONES B FEDERAL #003 MES D FEDERAL #001 = 1 mile HOT LIPS FEDERAL 2 OREGULUS 26 FEDERAL JONES FEDERAL #003 OREGOLUS 28 FEDERAL SPICA 25 FEDERAL WILD CAP STATE COM #002 POLEWSKI FEDPOLEWSKI FED I EXACU CHIES SPICA 25 FEDERAL SPICA 25 FEDERAL R 031 E T 019 S ADAR 24 FEDERAL OHIO JONES MILLER LUI DIRTY DOZEN FEDERAL COM ONES FEDERAL B DELHI FEDERAL #001 DELHI FED COM JONES G FED COM OFIIO JOINES 025 LIGCY LUSK DEEP UNIT A JONES B FEDERAL #00 FEDERAL 30 #001 JONES FEDERAL & GECKO PRIDERAL
GECKO FEDERAL #008 SL DEEP FEDERAL CHIP ONES ALD CAP STATE WOOTH EDERAL USA J #005FEDERAL USA POLEWSKI FEDERAL #002 POLEWSKI FED ONES FEDERAL SELLIOTT-BELLIOTT-B SHELL FED ESCY S.
FEDERAL SO FEDERAL USA J TEDERAL US JONES FEDERAL #002 TRES ELO PEDERAL COMLGCY PRINCESS D FED THUSK DEER UNIT #008 ES MILLER FEDGULF IT A #016 LUSK DEEP UNI PUNITALUSK DEEP UNITA HISEOISCRAZY HORSE 18 DERA CLUSK DEEP UNITLUSK DEEP UNIT POLEWIKLEEDROLEWSKIPED MILLER OLUSK DEEP UNIT A B FEDERAL LUSK DEEP UNIT A SLEAST 30 FEDERAL COM OSLEAST FEDERAL COM CRAZY HORSE 18 FEDERAL # JSK DEEP BY FEDERAL #00 TCHELL FEDERAL #001 OLEWSKI FED MILLER LUSK DEEP UNITLUSK DEEP 0 FEDERAL USA J #001 FEDERAL USA J LUSK WEST DELAWARE UNIT LUSK 28 FEDERAD FEDERAL USA J SOUTH LUSK 28 FEDERAD LUSK DEEP U DEEP FEDERAL SL DISEP FEDERAL COM #002 18 FEDCRAZY HORSE IS PEDLUSINDEEP UNIT LUSK WEST DELAWARE UNIT #906 SOUTHERN CALIFORNIA FEDERAL LUSK WEST DELAWARE UNIT #911 LUSK WEST DELAWARE UNIT TEXACO CITIES MERVICE STATE COM #001 P MITCHELLED WBP FEDERA E-ONGARD WELL# ISK DEEP U LUSK WEST DELAWARE UNI LUSK DEEP UNIT A #001 RAL CALI ARD WEL HERN CAUFORNIA PET FEDERAL #001 ITPRE MIDDLE TRES BLO FEDERAL COM ELLIQITA PRE-ONGARD WELL 1001 FORAN NE STATE 1003 FECTA 33 GEDERAL
FEDERAL USA 1 MAGNUM PRONTO STATE 1003 PLAINS DELAWARE NGARD WELL #001 LUSK DEEP UNIT LUSK WEST DELAWARE UNIT LUSK WEST
LUSK DEEP UNIT APLAINS LUSK WEST WELL #002 LUSK DEEP LINITA LUSK WEST DELAWARE UNIT 1003 SK WEST DELAWARE UNIT DUSK WEST DELAWARE UNIT BOWMAN FEDERAL BGCC SOUTHERN CAUFORNIA SOUTHERN CALIFORNIA 29 FEDERAL UNIT STEATTHEFNERA JEST DELAWARE UNIT #012LUSK WEST DELAWARE U 032 LUSK DEEP UNIT A MOBILE VINTALUSK DEEP UNITLYNCH FEDERA LUSK DEEP UNIT P FEDERAL COMPUSA TRIGG B KING AIR 8 FEDERAL COM PRE-ONGARD WELL #Q# **NEW MEXICO CR STATE #001** USA J 029 LUSK WEST DELAWAYE UNIT LUSK VEST DELAWAYE UNIT LUSK PRE-ONGARD WELL #005 SOUTHERN CALIFORNIA FEDERAL A NSOT PRE-OMBARD WELL YOUZ MAGNUM PRONTO STATE COM #001 LUSK WEST DELAWARE UNITUBK DEEP UNIT A STEALTH FEDERAL COMPRESION COM LUSK WEST DELAWARE UNIT PLAINS FEDERAL MIND WELL #009 LGCY BOWMAN FED SOUTH LUSK 28 FEDERAL LUSK 28 WEST FED COM LUSH WEST DELAWARE UNIT #103 LUSK WEST DELAMARE UNIT USK WEST LUSK DEEP UNI MOBIL FEDERAL MOBIL FEDERAL USTATIONDEL TATE COM 9001 | PEDERAL HH-33HEDERAL HH-39 LUSK 34 FC. SOUTH LUSK 33 FEDERAL GCY PLANS FED LUSK 35 FEDERAL LUSK 16 STATE #002 LUS PRE-ONG PLAINS DELAWARE LUSING FEDERAL 034 MOBI 028 LGCY PLAINS STRAWN LUSK 18 STATE BO MAINS STRAWN LUSK 16 STATE #00 WARE UNIT HOLSTER'S FEDERAL COM BOWMAN FEDERAL PRE-ONG ARD WELL #002 SOUTH LUSK 28 FEDERALSOUTH LUSK 28 FEDERA LUSK 16 STA TIN MAN FEDERAL COM TIN MAN FEDERAL COM LUSK 28 WEST FED COM STATE DR #001 E-ONGARD WELL #005 JE STATE #002 T DELAWARE UNIT#106 DELAWARE UNIT LIGCY PLAINS ELAWARE UNIT E #003 MOCO 3 FEDERAL STATE DR #003SHEARN FED SOUTHEAST LUSK 27 FEDER STATE DR #002 LUSK INSTATE 4004 OT R 032 E T 019 S PRE-ONGARD WELL #0 TIMU! LGCY JENNINGS FED ( LGCY JENNINGS FEI LGCY JENNINGS FEI 022 TONTO FEDERAL #0 LUSK 22 FEDER LUSK 34 FEDER JENNINGS FEL TONTO FEDER GCY EAST LU BLOAN FEDER 010 027 JENNIN

LUSK WEST 335'FNL 1656'FEL, SECTION 20-T19S-R32E, LEA COUNTY ExhibiT E GLO BRASS CAP ACCEPTED AS N/4c SEC 20 FlowLine N89"54'32"E 2647.86" (S6334'10°E 988.04) TO POB FLOWINE WELL #2 EL = 3582 1656 (N89°40'05"W SEE PAD DETAIL (S00'37'57"E 1358.72) 388.34) SCALE: 1" = 600' 600' 1200' (N88'45'15"E 755.70) (S19'50'48"E .05 29.94) 5284 S00'24'32"E 1610.80) (SOC17'18"E THE TO END FLOWLINE NORTH BATTERY-G.L.O. BRASS CAP ACCEPTED AS SEC SEC 20 (S89'19'24"W 322.01) (\$80°28'07"W 83.80) 50 100 150 100 PAD DETAIL NOT TO SCALE K. HUNTE CASEY LEGEND SECTION LINE EXISTING ROAD WEXIO (\$89\*19'24"W 322.01) DIMENSION ALONG CENTERLINE OF PROPOSED FLOWLINE. 21207 NOTE: BOMAL BURY BEARINGS BASED UPON STATE PLANE COORDINATE SYSTEM, NAD 83, GRID. ZONE EAST, DISTANCES SHOWN ARE MEASURED GROUND DISTANCES, COMBINED SCALE FACTOR # .99976962. SURVEYOR'S CERTIFICATE I, CASEY K. HUNTER, NEW MEXICO PROFESSIONAL SURVEYOR No.21207, DO HEREBY CERTIFY THAT THIS SURVEY FLAT AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION; THAT THIS SURVEY MEETS THE MINIMUM STANDARDS FOR SURVEYING IN NEW MEXICO; AND THAT IT IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF. SOLUTIONS FOR TODAY... VISION FOR TOMORROW 491 Pennsylvania Roswell, NM 88201 Phone: (575) 622-8868 19 05/13/2014 M CASEY K. HUNTER, P.S. ND. 21207 401 N. PENNSYLVANIA AVE. ROSWELL, NEW MEXICO 88201 DATE OF SURVEY: 04/29/2014

rnichaeld

Sayed By:

1:59pm

2014

May 113,

Plans, dwg

2014\GADD\Site

April

Shackelford Reentry Wells

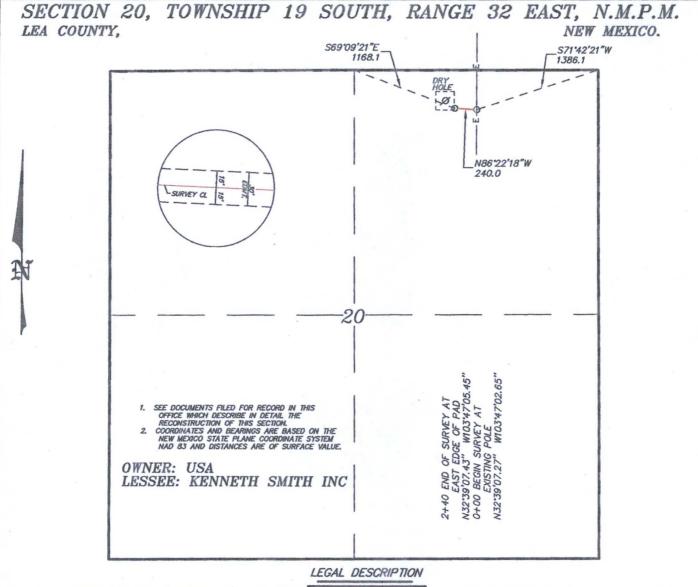
-PROJECTS\314311

SEC

## ExhibiT F

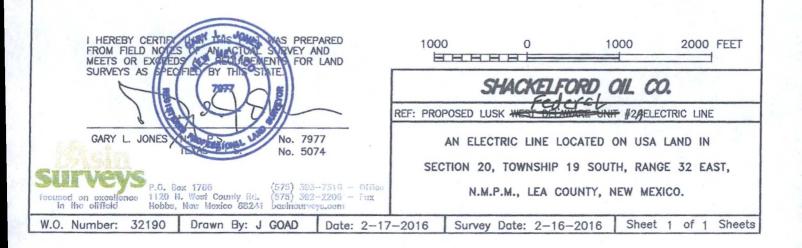
1.1.	
UNIT # NMNM94514X LUSK WEST DELAWARE UNIT	
20 · 20 · 2	21 • 105 • 106 • 111 • 19S-32E
903 902  903 902  So. Cal. #7 906 907 908  912 910  913 914 915Y 918	PRODUCER  NON-UNIT PRODUCER
	SHACKELFORD OIL COMPANY LUSK WEST DELAWARE UNIT LEA COUNTY NEW MEXICO SEC. 20, 21, & 29-19S-32E  MAP SCALE: 1"=2000" CI=

Exhibit G



A STRIP OF LAND 30.0 FEET WIDE, LOCATED IN SECTION 20, TOWNSHIP 19 SOUTH, RANGE 32 EAST N.M.P.M., LEA COUNTY, NEW MEXICO AND BEING 15.0 FEET LEFT AND RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY.

240.0 FEET = 0.05 MILES = 14.55 RODS = 0.17 ACRES



PROPOSED LUSK WEST DELAWARE UNIT #2A ELECTRIC LINE Section 20, Township 19 South, Range 32 East, N.M.P.M., Lea County, New Mexico.



P.O. Box 1786 1120 N. West County Rd. Hobbs, New Mexico 88241 (575) 393-7316 - Office (575) 392-2206 - Fax basinsurveys.com

Q'	1000'	2000'	3000'	4000
	SCA	LE: 1" m	2000'	
W.O.	Number:	JG 32	190	orozotti, oznatari
Surv	ey Date:	2-16-	-2016	TO COMPANY TO STATE OF THE PARKET OF THE PAR
BLUE	OW TINT -	STATE L	AND	

SHACKELFORD OIL CO.

TOC @ 0' Cnit Plug @ 3' Cmt Plug @ 688 13.375" @ 870 17.500" @ 870" 1,000 Cmt Plug @ 1,401\* TOC @ 1,630 2,000 Cmt Plug @ 2,431' DVT, D/O @ 2,622 Cmt Plug @ 2,815' 3,000 4,000mt Plug @ 4,003 12.250" @ 4,500" 8.625" @ 4,500 5,000 6,000 Cmt Plug @ 6,152' Op Perfs 6468-6482 7,000 5.500" @ 7,220 7.875" @ 7,220" 8,000

Ex 15+1ng
Last Updated: 4/4/2016 01:50 PM

Field Name	1			L	ease l	Vame					Well No.	
Lusk West I	Delav	ware		L	usk W	est De	lawa	are l	Unit		2	
County				State	tate				F	API No.		
Lea				New I	lew Mexico				3	0025	305230000	
Version	1	/ersion	Tag					-				
	1 F	PRESEN	TT.	-	-		-					
GL (ft)	KB	(ft)	Sec	tion	Town	ship	Bloc	ik	F	Rang	e/Survey	
3,588.0		3,597.6	20		198			-	1	32E		
Operator			-	Well Status		8	Lat	Latitude		Longitude		
Shackelford	Oil	Compar	ıy	Plug	ged							
Dist. N/S (ft) N/S Line Di			ist. E	st. E/W (ft) E/W Lin		Lin	e	Fool	tage	From		
3	30 F	NL	1		165	FEL		1		-		
Prop Num					T	Spud Date			-	Comp. Date		
		-				-	1	/10/	1990		3/18/199	
Additional	nfor	mation	-									
POTENTIAL	RE	-ENTRY	, PR	ESEN	IT	-						
Other 1		Oth	er 2			Other	3		-	Other 4		
-			-		-			-		1		
Prepared B	у		Upo	lated	Ву		-	Las	st Up	odate	ed	
Shackelford			Sha	ackelford		-	4/4/2016 1:5		4/2016 1:50 PM			
Hole Summ	ary			-							~~~~	
Date	O.D	. (in)	Top		Botto				Con	nmei	nts	

Date	O.D. (in)	Top (MD ft)	(MD ft)	Comments
1/28/1990	17.500	0	870	
2/5/1990	12.250	870	4,500	
2/26/1990	7.875	4,500	7,220	

Date	Description	O.D. (in)	(lb/ft)	Grade	Top (MD ft)	(MD ft)
12/8/1990	Surface Casing	13.375	54.50	K-55	0	870
2/5/1990	Intermediate Casing	8.625	24.00	J-55	Q	4,500
2/26/1990	Production Casing	5.500	15.50	J-55	1,622	7,220

C	Date	No.	Csg. O.D. (in)	Top (MD ft)	(MD ft)	Comments
	12/8/1990	1,000	13.375	0	870	CEMENTED W/ CLASS C, 2% CACL, 1.32 YIELD CIRC. 218 SKS TO SURFACE
	2/5/1990	3,230	8.625	0	4,500	CEMENTED W/550 SX CLASS C, 2.69 YIELD, TAIL W/150 SX CLASS C NEAT, 1.37 YIELD. CEMENTED ZND STAGE (DC TOOL @ 2622) W/1900 SX, 1.51 YIELD, 850 SX CLASS C, 3.02 YIELD, 150 SX CLASS H, YIELD 1.61, RAN TEMP SURVEY TOC 2310'. 1" SPOT 100 SX CLASS C, SPOT 130 SX CLASS C, CEMENT 200 SX CLASS C CIRC. 36 SX TO SURFACE
	2/10/1990	900	5.500	1,630	7,220	CEMENTED W/600 SX CLASS C 65/35 POZ, 1,59 YIELD, 300 SX CLASS C 1.32 YIELD

### Tools/Problems Summary

Date	Tool Type	O.D. (in)	(in)	(MD ft)	(MD ft)
2/5/1990	DVT, D/O	5.500	0.000	2,622	

#### Cement Plug Summary

Date	No.	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
12/7/2010	20	8.625	3	63	PLUGGED 12/07/2010
12/6/2010	60	8.625	688	920	
12/4/2010	35	8.625	1,401	1,685	
12/4/2010	45	5.500	2,431	2,815	
12/3/2010	45	5.500	2,815	2,900	DID NOT TAG PLUG ON 1ST ATTEMPT AT THIS PLUG
12/2/2010	25	5.500	4,003	4,692	
12/2/2010	25	5.500	6,152	6,352	

#### Perforation Summary

C	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)	Shots	
	2/23/1990	Ореп	Delware	6,468	6,482	52	
				•			

9,000

10,000