

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

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  
☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

<sup>1</sup> API Number 30-025-00913		<sup>2</sup> Pool Code 41540		<sup>3</sup> Pool Name Lusk; Delaware West	
<sup>4</sup> Property Code 316243		<sup>5</sup> Property Name Lusk Federal LA		<sup>6</sup> Well Number 33	
<sup>7</sup> OGRID No. 20595		<sup>8</sup> Operator Name Shackelford Oil Company		<sup>9</sup> Elevation 3572	

<sup>10</sup> Surface Location									
UL or lot no. E	Section 20	Township 19S	Range 32E	Lot Idn	Feet from the 1650	North/South line North	Feet from the 660	East/West line West	County Lea

<sup>11</sup> Bottom Hole Location If Different From Surface									
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
<sup>12</sup> Dedicated Acres 40		<sup>13</sup> Joint or Infill		<sup>14</sup> Consolidation Code		<sup>15</sup> Order No.			

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

	<sup>17</sup> OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. Signature: <u>Barry W. Hunt</u> Date: <u>2/25/16</u> Printed Name: <u>Barry W. Hunt</u> E-mail Address: _____	
	<sup>18</sup> SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. <u>4-29-14</u> Date of Survey: _____ Signature and Seal of Professional Surveyor: <u>Casey K. Hunter</u> Certificate Number: _____	

SCALE: 1" = 600'

0 600' 1200'

North  
A

S00°24'07"E 2639.30'

TIE TO P.O.B. FLOWLINE  
(S21°47'45"E 1860.15')

1650'

SEE PAD DETAIL

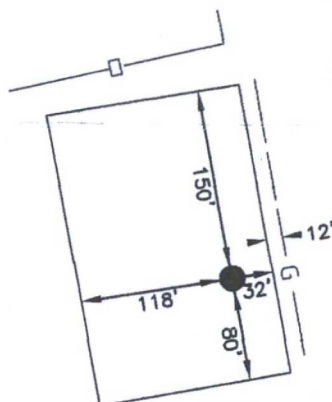
WELL #3-A  
EL.=3572'PROPOSED FLOWLINE ALONG  
EXISTING FLOWLINE(S82°04'28"E  
379.67)

(S89°51'18"E 1064.27)

(N88°45'15"E 1218.76)

(S39°13'54"E  
96.39)  
(N80°09'57"E  
113.77)(N56°24'11"E  
135.29)(N80°25'29"E  
226.91)(S19°50'48"E  
29.94)G.L.O. BRASS CAP  
ACCEPTED AS W/4c SEC 20

S00°23'36"E 2640.73'

PAD DETAIL  
NOT TO SCALEExisting  
Pad

NORTH BATTERY

(S89°19'24"W  
322.01)(S80°28'07"W  
83.80)(N44°17'36"W 2571.90)  
TIE TO END FLOWLINEG.L.O. BRASS CAP  
ACCEPTED AS SEC SEC 20

## LEGEND

- SECTION LINE
- EXISTING ROAD
- UNDERGROUND PIPELINE
- CHAINLINK FENCE
- PROPOSED FLOWLINE
- DIMENSION ALONG CENTERLINE  
OF PROPOSED FLOWLINE

(S89°19'24"W 322.01)

G.L.O. BRASS CAP  
ACCEPTED AS SWc SWC 20

N89°48'56"E 2646.45'

G.L.O. BRASS CAP  
ACCEPTED AS S/4c SEC 20

N89°50'45"E 2644.84'

G.L.O. BRASS CAP  
ACCEPTED AS SEC SEC 20

## NOTE:

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 PLAT 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.

*Casey K. Hunter*  
CASEY K. HUNTER, P.S. NO. 21207  
401 N. PENNSYLVANIA AVE.  
ROSWELL, NEW MEXICO 88201

05/13/2014  
DATE:

SOLUTIONS FOR TODAY...  
VISION FOR TOMORROW

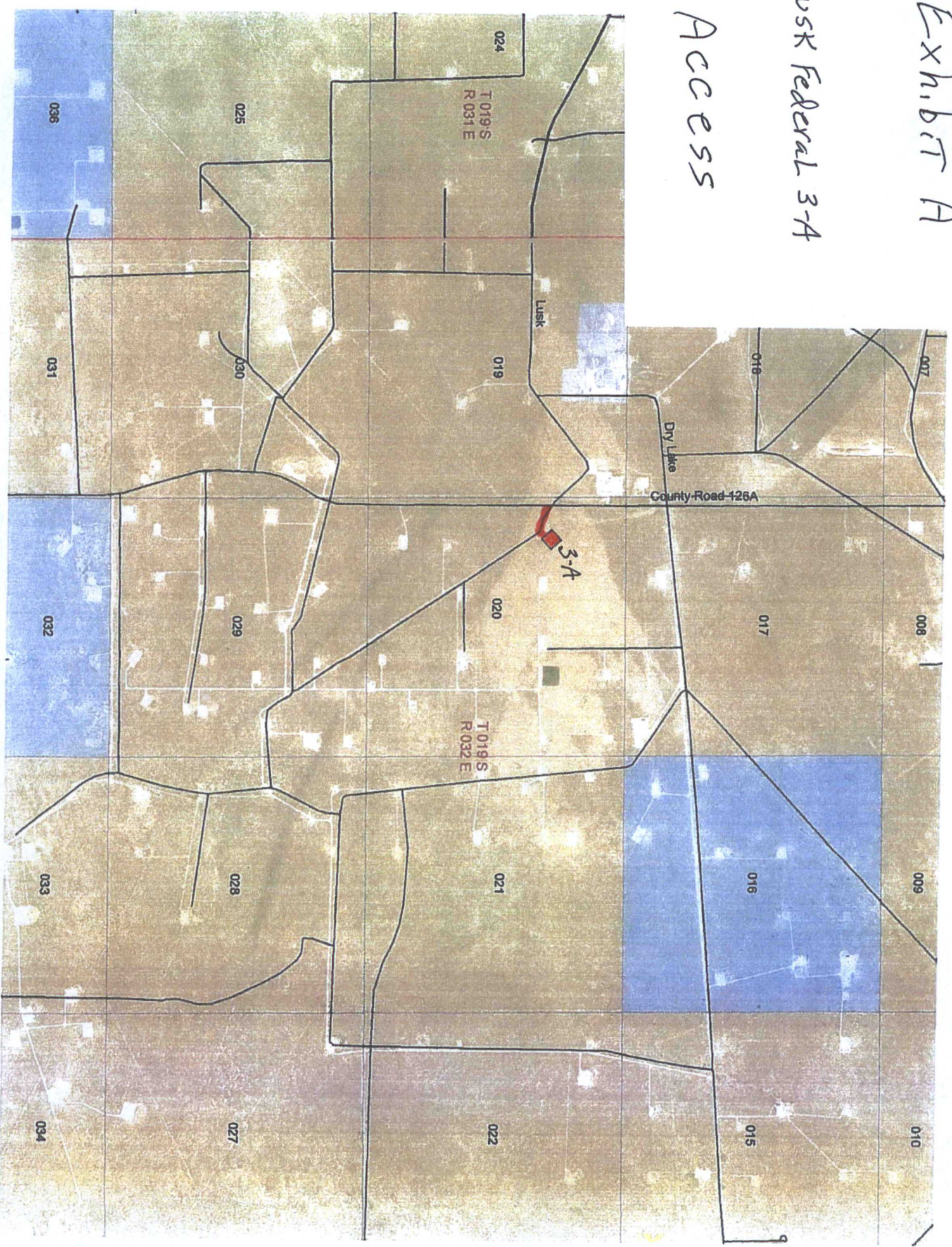
401 Pennsylvania  
Roswell, NM 88201  
Phone: (575) 622-8866  
Fax: (575) 623-3951



# Exhibit A

Lusk Federal 3-A

Access

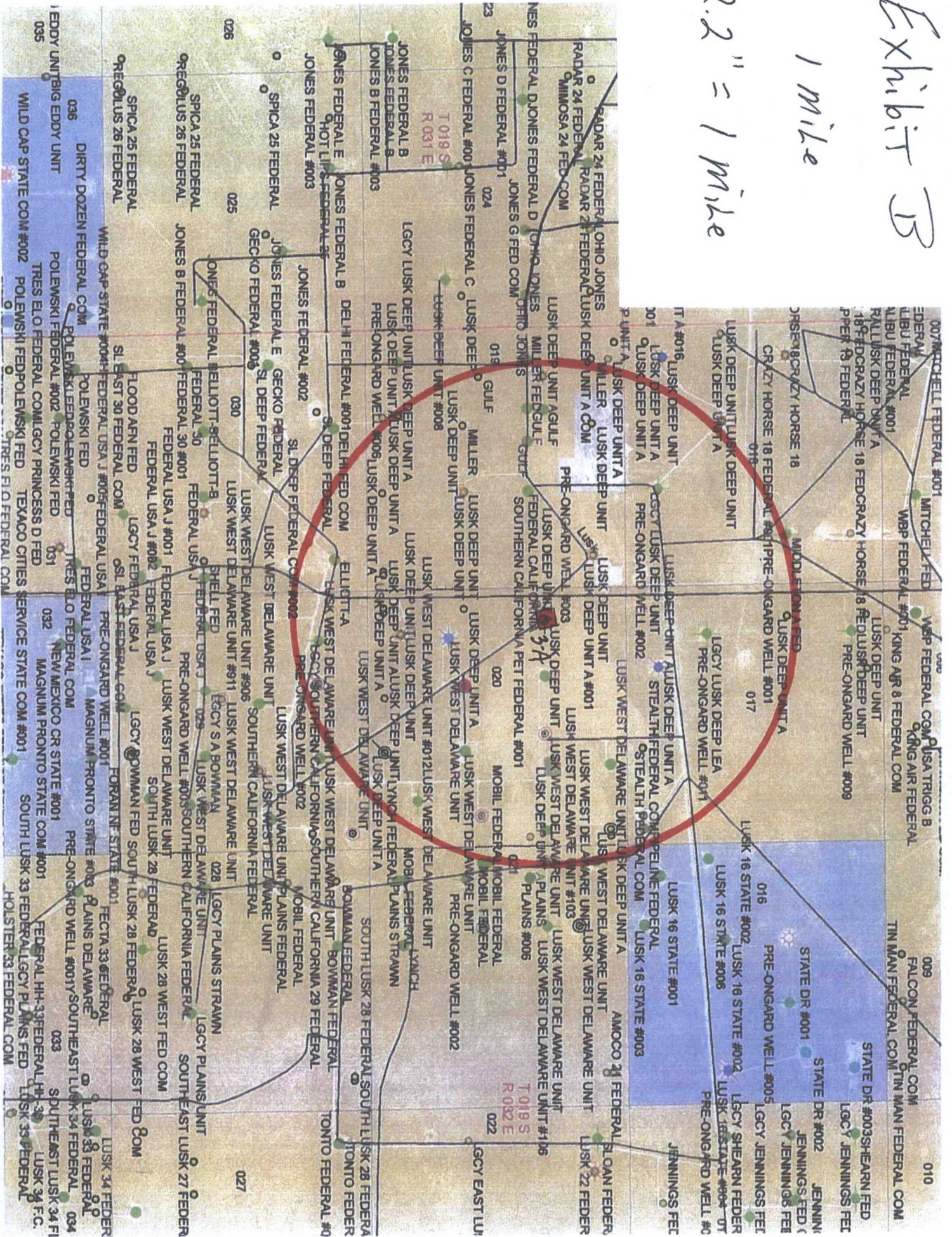




# Exhibit B

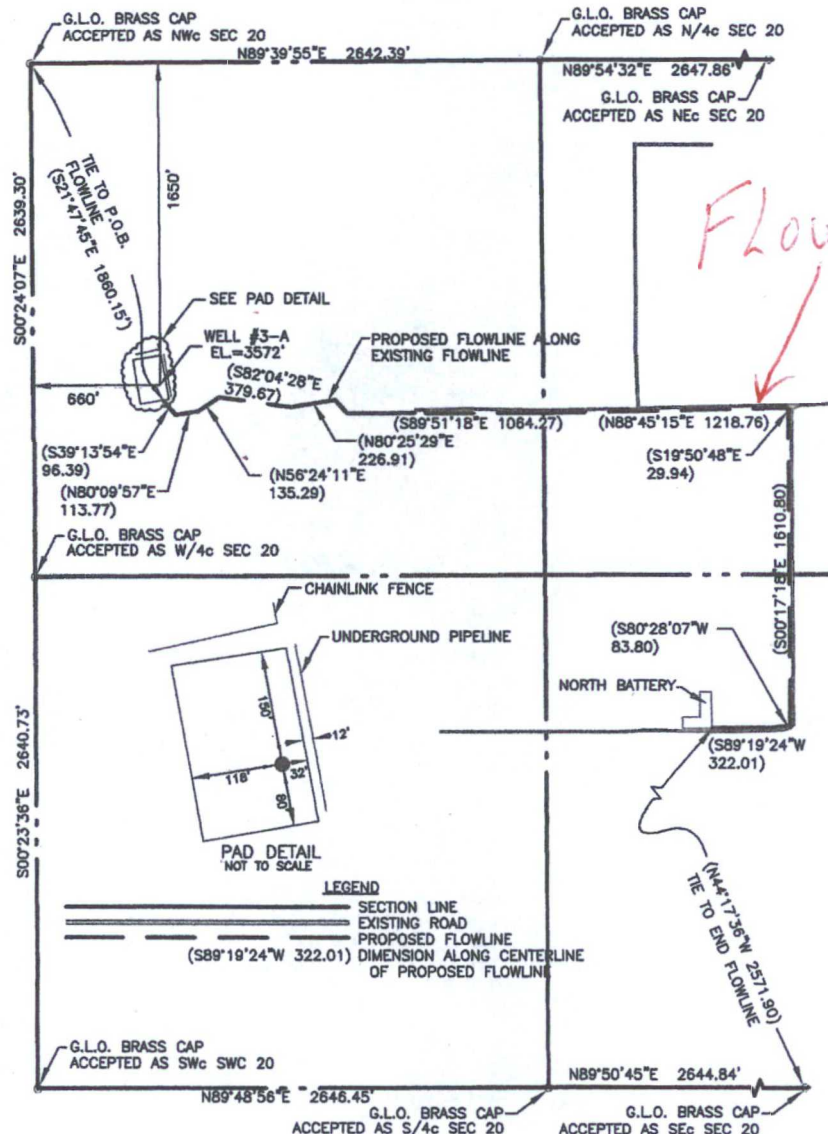
1 mile

2.2" = 1 mile





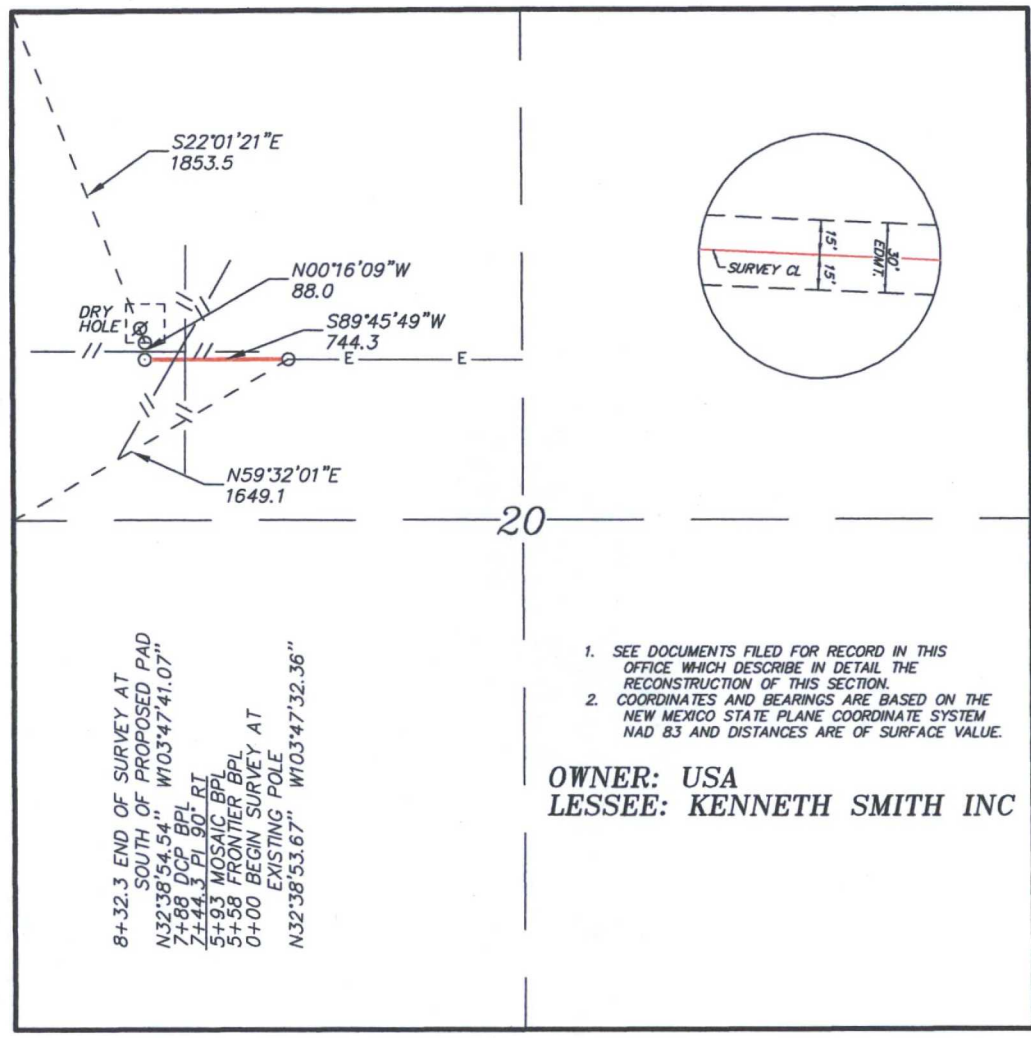
*Federal*  
**LUSK ~~DEEP~~ #3-A Ex. E**  
**1650'FNL 660'FWL, SECTION 20-T19S-R32E, N.M.P.M.**  
 LEA COUNTY ————— NEW MEXICO



R:\SEC-----PROJECTS\314311 Shackelford Reentry Wells April 2014\CADD\Site Plans 8.5x11.dwg May 29, 2014 - 11:19am Saved By: michaeld

Exhibit F

SECTION 20, TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.  
LEA COUNTY, NEW MEXICO.



8+32.3 END OF SURVEY AT  
SOUTH OF PROPOSED PAD  
N32°38'54.54" W103°47'41.07"  
7+88 DCP BPL  
7+44.3 PL 90° RT  
5+93 MOSAIC BPL  
5+58 FRONTIER BPL  
0+00 BEGIN SURVEY AT  
EXISTING POLE  
N32°38'53.67" W103°47'32.36"

1. SEE DOCUMENTS FILED FOR RECORD IN THIS OFFICE WHICH DESCRIBE IN DETAIL THE RECONSTRUCTION OF THIS SECTION.
2. COORDINATES AND BEARINGS ARE BASED ON THE NEW MEXICO STATE PLANE COORDINATE SYSTEM NAD 83 AND DISTANCES ARE OF SURFACE VALUE.


OWNER: USA  
LESSEE: KENNETH SMITH INC

LEGAL DESCRIPTION

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.

832.3 FEET = 0.16 MILES = 50.44 RODS = 0.57 ACRES

I HEREBY CERTIFY THAT THIS PLAN WAS PREPARED FROM FIELD NOTES OF AN ACTUAL SURVEY AND MEETS OR EXCEEDS ALL REQUIREMENTS FOR LAND SURVEYS AS SPECIFIED BY THIS STATE.

  
GARY L. JONES, P.S.  
No. 7977  
No. 5074

**basin**  
**surveys**  
focused on excellence  
in the oilfield

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



**SHACKELFORD OIL CO.**

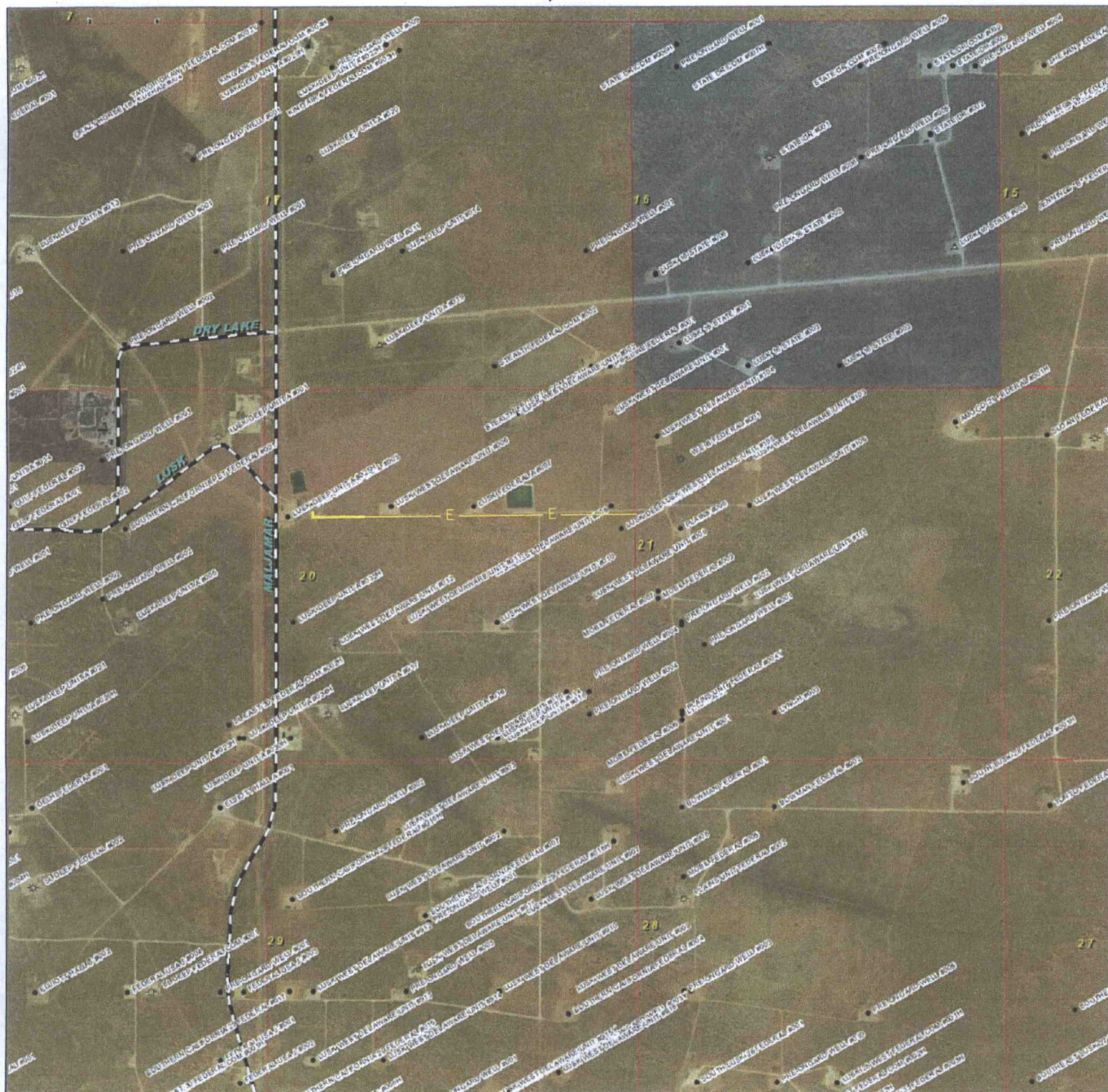
REF: PROPOSED LUSK DEEP UNIT #3A ELECTRIC LINE

AN ELECTRIC LINE LOCATED ON USA LAND IN  
SECTION 20, TOWNSHIP 19 SOUTH, RANGE 32 EAST,  
N.M.P.M., LEA COUNTY, NEW MEXICO.









*Federal*  
**PROPOSED LUSK DEEP UNIT #3A 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

0' 1000' 2000' 3000' 4000'

SCALE: 1" = 2000'

W.O. Number: JG 32187

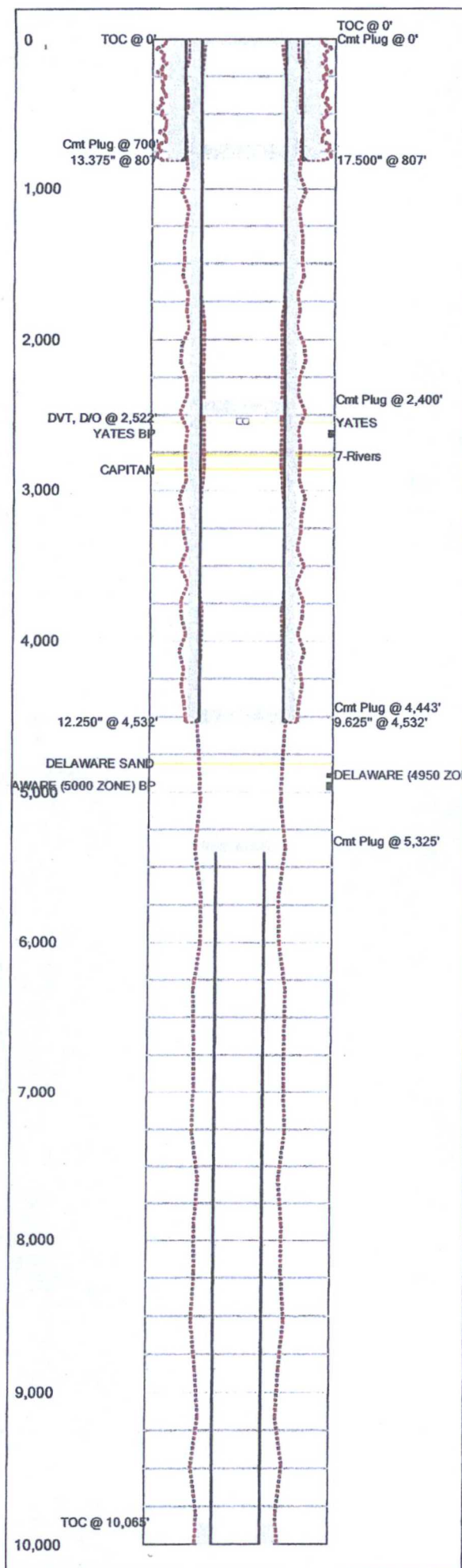
Survey Date: 2-16-2016

YELLOW TINT - USA LAND  
 BLUE TINT - STATE LAND  
 NATURAL COLOR - USA LAND



**SHACKELFORD**  
**OIL CO.**





Last Updated: 3/10/2016 10:03 AM

*Existing*

Field Name		Lease Name		Well No.
Lusk Delaware, West		Lusk Deep Unit		3
County		State	API No.	
Lea		New Mexico	30025009130000	
Version	Version Tag			
1	Present			
GL (ft)	KB (ft)	Section	Township/Block	Range/Survey
3,574.0	3,593.0	20	19S	32E
Operator		Well Status	Latitude	Longitude
Shackelford Oil Company		Plugged		
Dist. N/S (ft)		N/S Line	Dist. E/W (ft)	E/W Line
1650		FNL	660	FWL
Footage From				
Prop Num		Spud Date	Comp. Date	
		7/22/1961	11/1/1961	
Additional Information				
Other 1	Other 2	Other 3	Other 4	
Prepared By		Updated By	Last Updated	
Shackelford		Shackelford	3/10/2016 10:03 AM	

#### Hole Summary

Date	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	17.500	0	807	
	12.250	0	4,532	
	8.750	0	12,621	

#### Tubular Summary

Date	Description	O.D. (in)	Wt (lb/ft)	Grade	Top (MD ft)	Bottom (MD ft)
	Surface Casing	13.375	54.50	J-55	0	807
	Intermediate Casing	9.625	40.00	N-80	0	4,532
	Production Casing	5.500	17.00	N-80	5,400	12,458

#### Casing Cement Summary

C	Date	No. Sx	Csg. O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
		900	13.375	0	807	CIRCULATED
		2,730	9.625	0	4,532	2 STAGES, CIRCULATED
		382	5.500	10,065	12,458	

#### Tools/Problems Summary

Date	Tool Type	O.D. (in)	I.D. (in)	Top (MD ft)	Bottom (MD ft)
	DVT, D/O	0.000	0.000	2,522	0
	CIBP	0.000	0.000	10,500	0

#### Cement Plug Summary

Date	No. Sx	O.D. (in)	Top (MD ft)	Bottom (MD ft)	Comments
	10	9.625	0	40	BASE OF PLUG EST.
	25	9.625	700	800	
	25	9.625	2,400	2,500	
	35	9.625	4,443	4,552	
	25	8.750	5,325	5,400	TOP OF PLUG EST.

#### Perforation Summary

C	Date	Perf. Status	Formation	OA Top (MD ft)	OA Bottom (MD ft)	Shots
		Isolated	Morrow	11,310	12,390	

#### Formation Tops Summary

Formation	Top (TVD ft)	Comments
RUSTLER	746	
Tansill	2,361	
YATES	2,553	
7-Rivers	2,769	
CAPITAN	2,860	
DELAWARE SAND	4,815	