

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

¹ API Number 30-025-00913	² Pool Code 41540	³ Pool Name Lusk; Delaware West
⁴ Property Code 314243	⁵ Property Name Lusk Federal A	⁶ Well Number 3-3
⁷ OGRID No. 20595	⁸ Operator Name Shackelford Oil Company	⁹ Elevation 3572

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

¹¹ 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

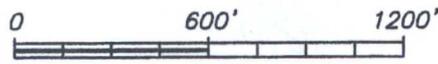
¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

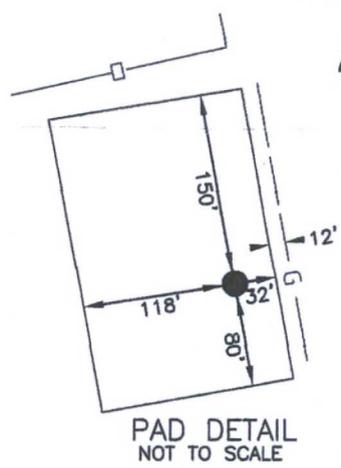
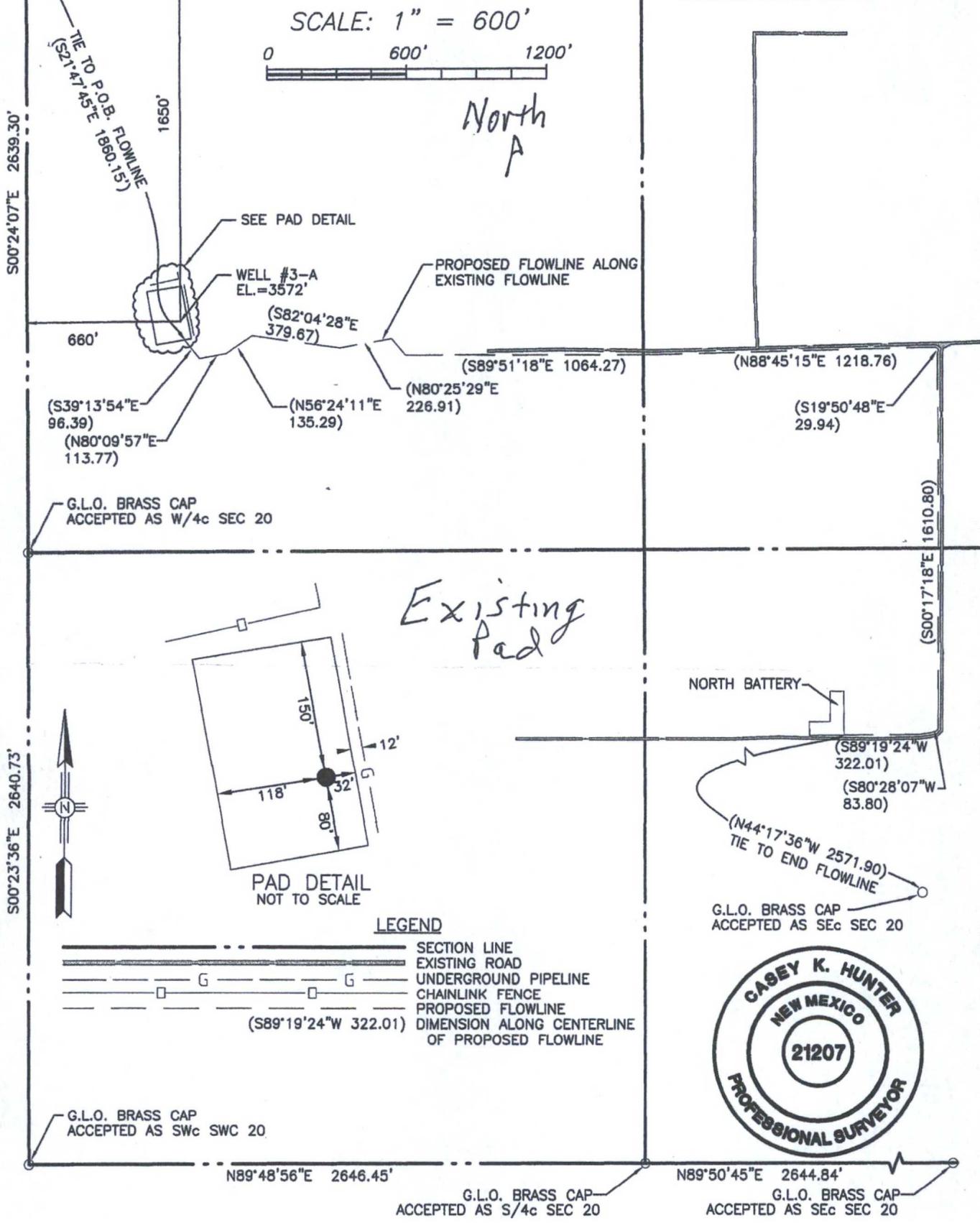
	<p>¹⁷ OPERATOR CERTIFICATION</p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location or has 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.</p> <p><i>Barry W. Hunt</i> 2/25/16 Signature Date</p> <p>Barry W. Hunt Printed Name</p> <p>E-mail Address</p>
	<p>¹⁸ SURVEYOR CERTIFICATION</p> <p>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.</p> <p>4-29-14 Date of Survey</p> <p>Signature and Seal of Professional Surveyor. <i>Casey K. Hunter</i></p> <p>Certificate Number</p>



SCALE: 1" = 600'

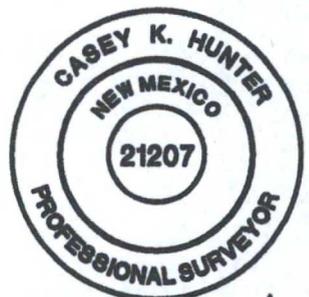


North
A



LEGEND

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



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, N.M. 88201

05/13/2014
DATE:



SOLUTIONS FOR TODAY...
VISION FOR TOMORROW

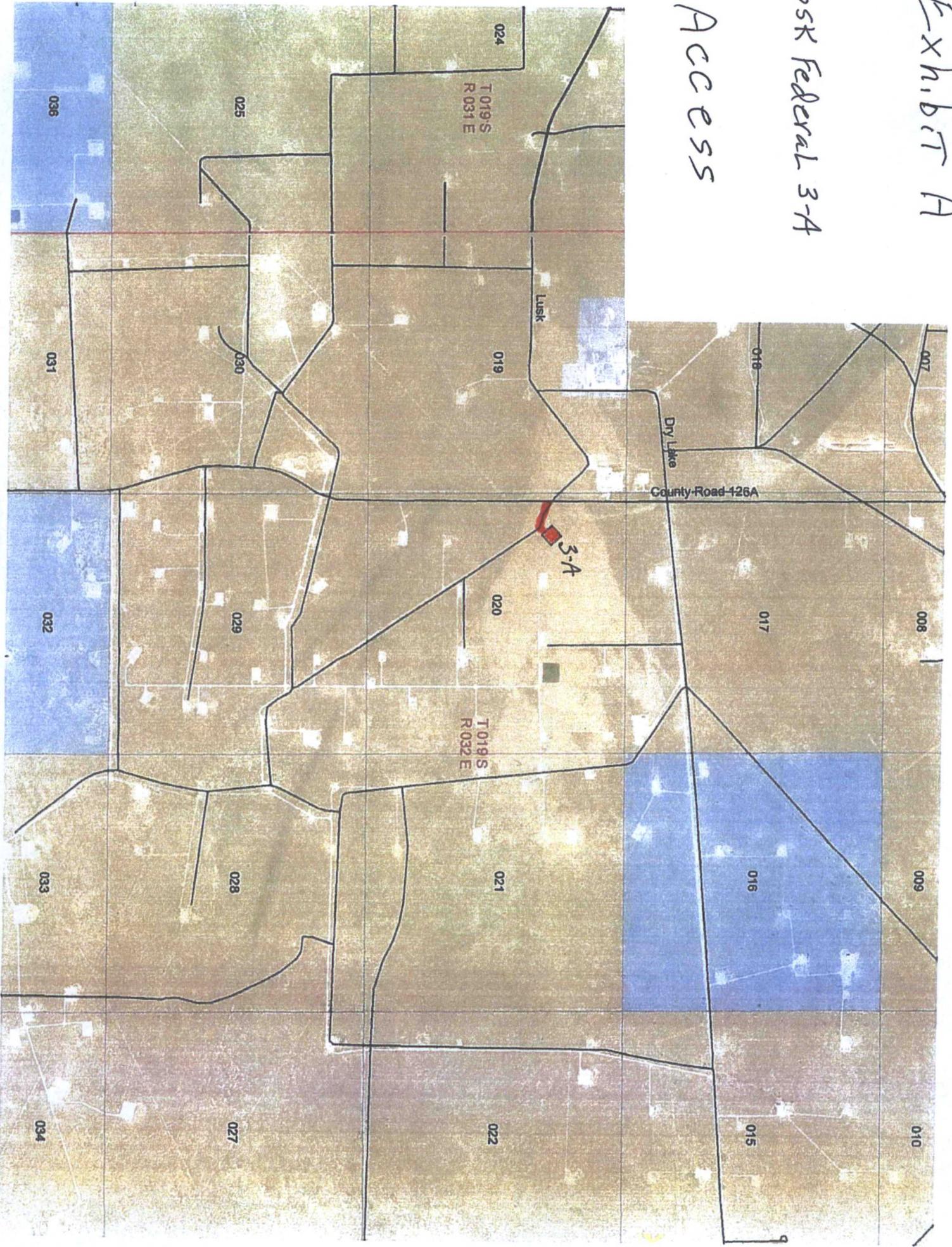
401 Pennsylvania
Roswell, NM 88201
Phone: (575) 622-8866
Fax: (575) 623-3951

PROJECTS\314311 Shackelford Reentry Wells April 2014\CADD\Site Plans.dwg May 13, 2014 - 2:00pm Saved By: michaeld

Exhibit A

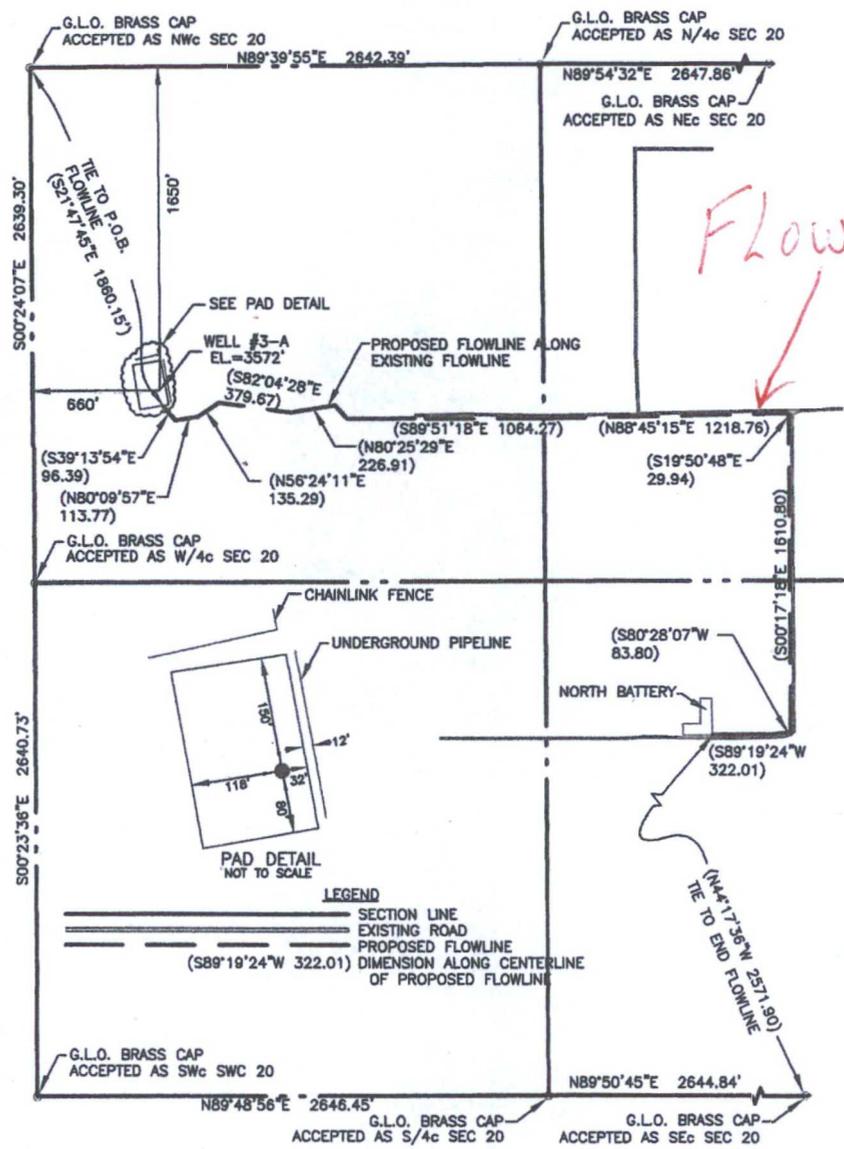
Lusk Federal 3-A

Access

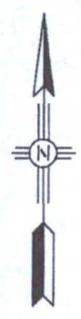


Referat
LUSK ~~DEEP~~ #3-A Ex. E
1650'FNL 660'FWL, SECTION 20-T19S-R32E, N.M.P.M.
 LEA COUNTY ————— NEW MEXICO

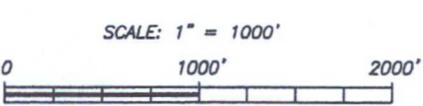
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Flowline



LEGEND
 SECTION LINE
 EXISTING ROAD
 PROPOSED FLOWLINE
 DIMENSION ALONG CENTERLINE OF PROPOSED FLOWLINE



NOTE:
 BEARINGS BASED UPON STATE PLANE COORDINATE SYSTEM, NAD 83, GRID ZONE EAST. DISTANCES SHOWN ARE MEASURED GROUND DISTANCES, COMBINED SCALE FACTOR = .99976962.



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[Signature]
 CASEY K. HUNTER, P.S. NO. 21207
 401 N. PENNSYLVANIA AVE.
 ROSWELL, NEW MEXICO 88201
 DATE OF SURVEY: 04/29/2014
 05/29/2014
 DATE:

**SOLUTIONS FOR TODAY...
VISION FOR TOMORROW**

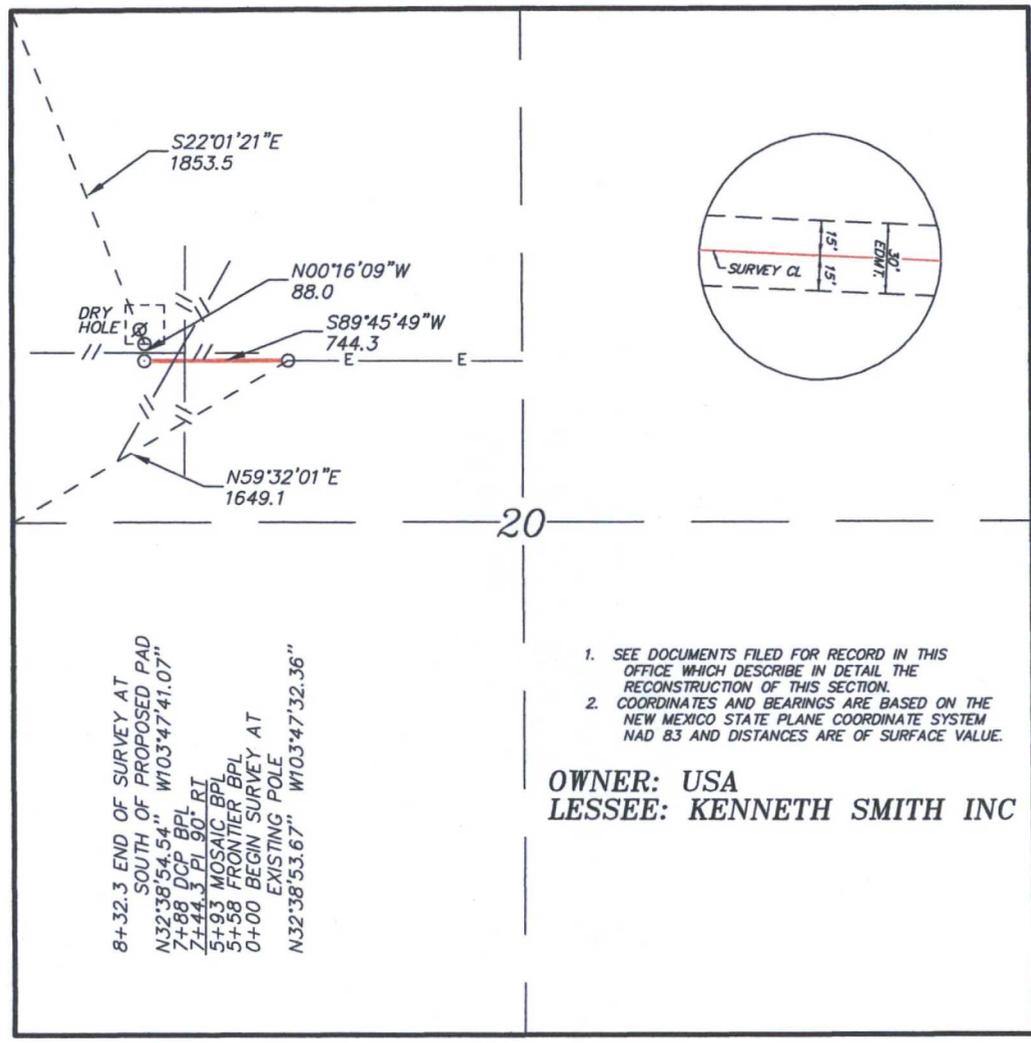
SMITH ENGINEERING COMPANY

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

NEW MEXICO TEXAS

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.

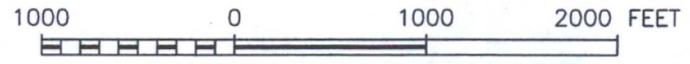
832.3 FEET = 0.16 MILES = 50.44 RODS = 0.57 ACRES

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.

basin surveys
focused on excellence in the oilfield

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

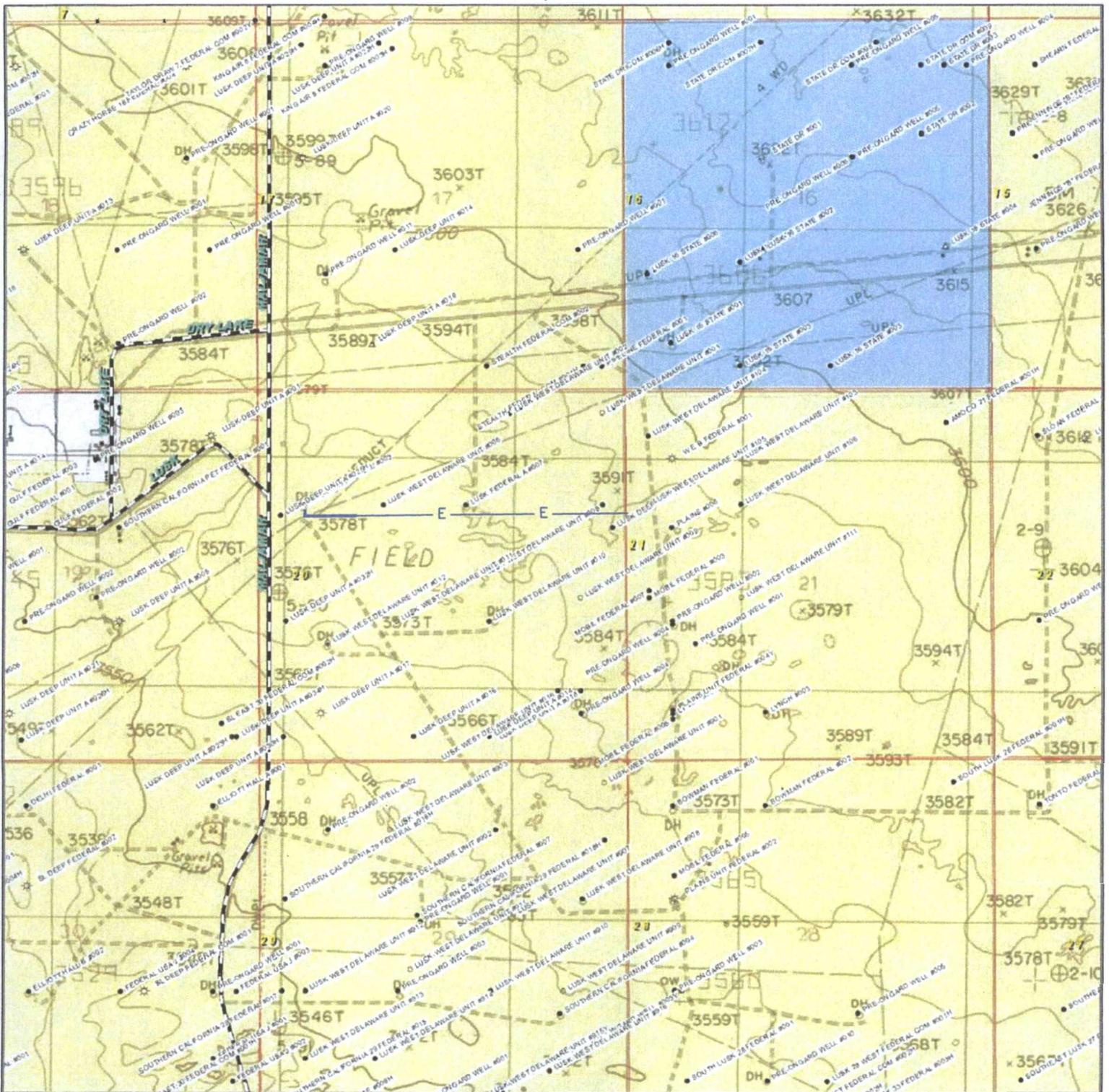
P.O. Box 1786 (575) 393-7316 - Office
1120 N. West County Rd. (575) 392-2206 - Fax
Hobbs, New Mexico 88241 basin-surveys.com



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'

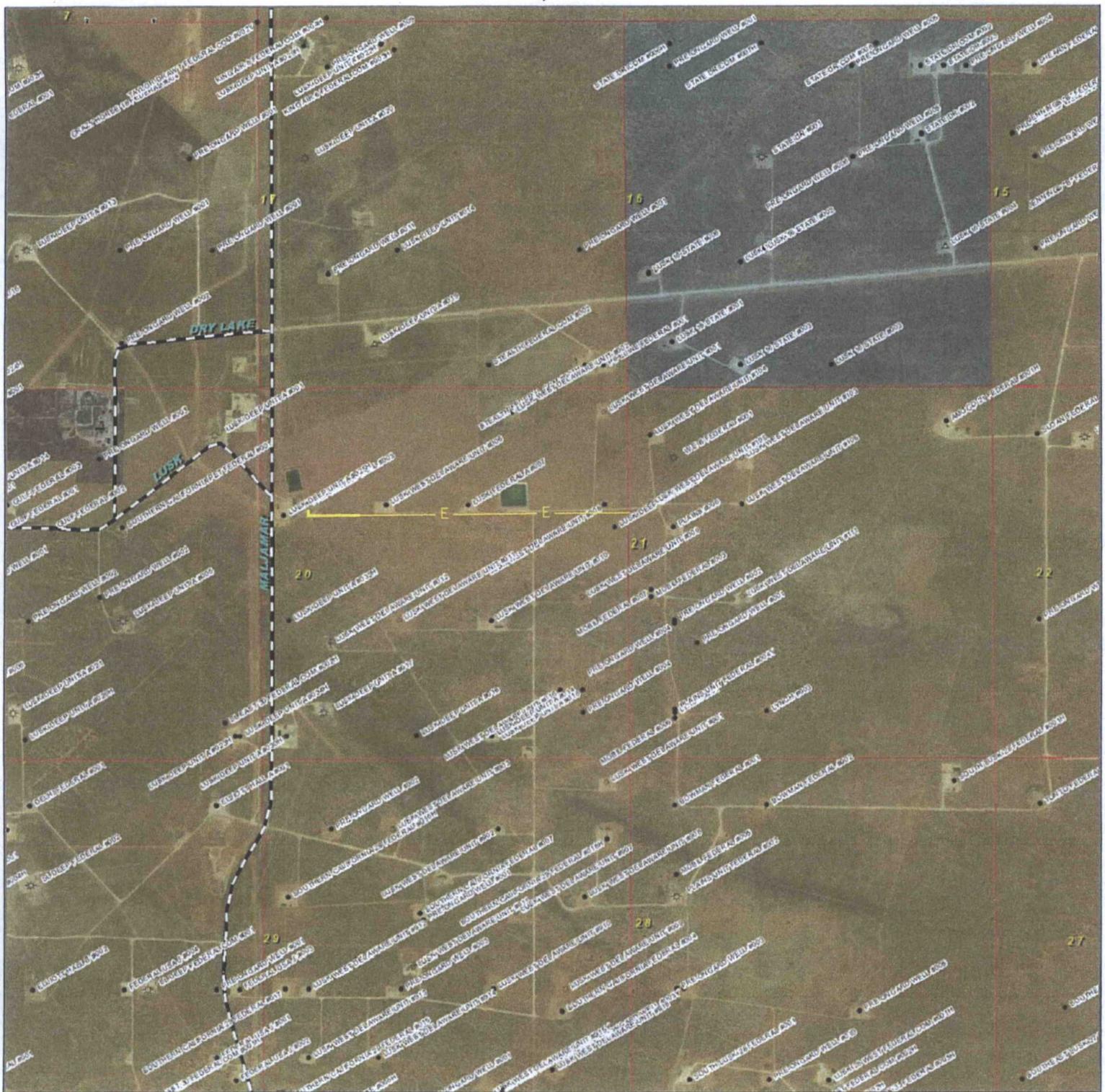
W.O. Number: JG 32187

Survey Date: 2-16-2016

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



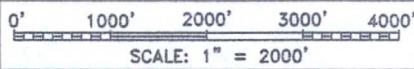
**SHACKELFORD
 OIL CO.**



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



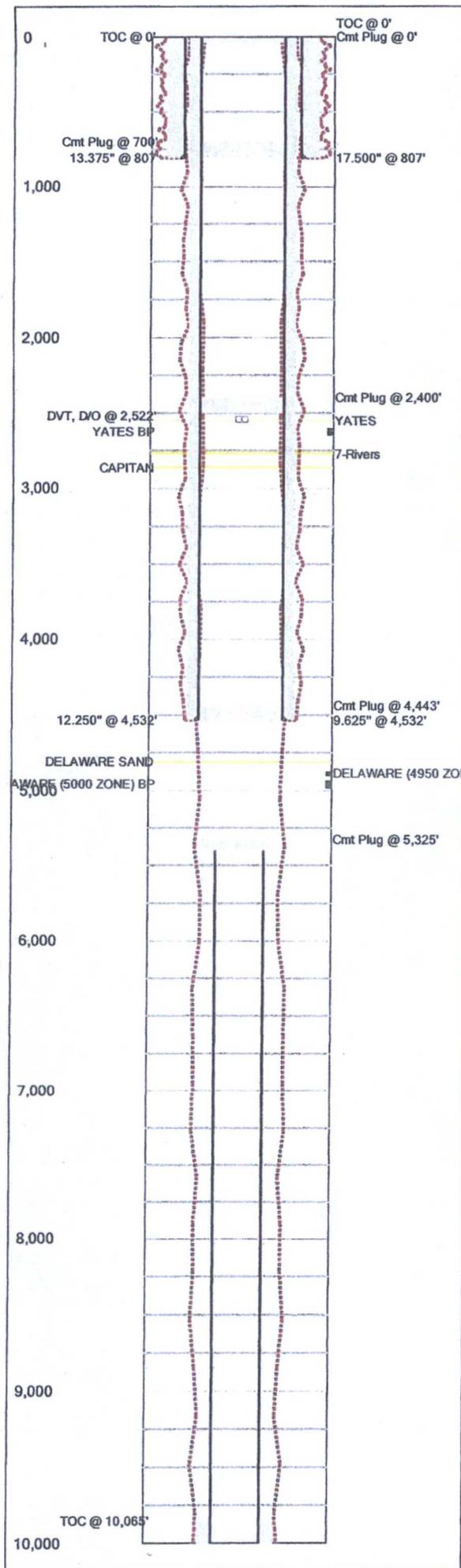
W.O. Number: JG 32187
 Survey Date: 2-16-2016

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



**SHACKELFORD
 OIL CO.**

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	Footage From
1650	FNL	660	FWL	
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	

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	

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

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	

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

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.

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

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