

30-025-41257

**SURFACE USE PLAN OF OPERATIONS**

**Operator Name/Number:** OCCIDENTAL PERMIAN LIMITED PARTNERSHIP - 157984  
**Lease Name/Number:** LUSK 28 WEST FEDERAL COM #1H  
**Pool Name/Number:** LUSK; BONE SPRING, SOUTH - 41460  
**Surface Location:** O, SEC 28, T19S, R32E; 652' FSL & 2425' FEL; LEA COUNTY  
**Bottom Hole Location:** B, SEC 28, T19S, R32E; 330' FNL & 2284' FEL; LEA COUNTY

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**1. Existing Roads**

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- a. A copy of a USGS "\_GREENWOOD LAKE\_, NM" quadrangle map is attached showing the proposed location. The well location is spotted on this map, which shows the existing road system. RECEIVED
- b. The well was staked by \_Terry J Asel\_Certificate No. \_15079\_ on \_06-14-2012\_, certified 09-07-2012\_.
- c. Directions to Location:  
BEGINNING AT THE INTERSECTION OF U.S. HWY. #62/180 AND STATE HWY. #176, GO NORTHEAST ON STATE HWY. #176 FOR 3.0 MILES, GO EAST FOR 0.8 MILES, TURN LEFT ON COUNTY ROAD #126A AND GO NORTH FOR 3.8 MILES, TURN RIGHT ON CALICHE ROAD AND GO EAST FOR 1.1 MILES, TURN LEFT AND GO NORTHEAST FOR 0.2 MILES, GO EAST FOR 0.2 MILES, CONTINUE EAST ON PROPOSED ROAD FOR 742.0 FEET TO LOCATION.

**2. New or Reconstructed Access Roads:**

- a. A new access road will be built. The access road will run approximately \_\_\_\_742'\_\_\_\_ from an existing road to the location.
- b. The maximum width of the road will be 15'. It will be crowned and made up of 6" of rolled and compacted caliche. Water will be deflected, as necessary, to avoid accumulation and prevent surface erosion.
- c. Surface material will be native caliche. This material will be obtained from a BLM approved pit nearest in proximity to the location. The average grade will be approximately 1%.
- d. No cattle guards, grates or fence cuts will be required. No turnouts are planned.
- e. Blade, water & repair existing caliche road as required/needed.

**3. Location of Existing Wells:**

Existing wells within a one mile radius of the proposed well are shown on attached plat.

**4. Location of Existing and/or Proposed Production Facilities.**

- a. In the event the well is found productive, the production would be sent to the central tank battery located on the Lusk 28 West Fed Com CTB. The propose lines will be approximately 1500' of QTY 14" SDR 7 Polethylene laid on surface from well the CTB and will be operating <125 psig. See proposed Production Facilities Layout diagram.
- b. The proposed route for the electric line has been surveyed and is attached.
- c. All flowlines will adhere to API Standards.

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**5. Location and types of Water Supply.**

This well will be drilled using a combination of water mud systems. It will be obtained from commercial water stations in the area and will be hauled to location by transport truck using existing and proposed roads.

NO. 1000

**6. Construction Materials:**

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All caliche utilized for the drilling pad and proposed access road will be obtained from an existing BLM approved pit or from prevailing deposits found under the location. Will use BLM recommended use of extra caliche from other locations close by for roads, if available.

**7. Methods of Handling Waste Material:**

- a. A closed loop system will be utilized consisting of above ground steel tanks and haul-off bins. Disposal of liquids, drilling fluids and cuttings will be disposed of at an approved facility, see C-144 CLEZ.
  - 1. Solids - CONTROL RECOVERY INC - R9166
  - 2. Liquids - SUNDANCE LANDFILL - NM-01-003
- b. All trash, junk, and other waste material will be contained in trash cages or bins to prevent scattering. When the job is completed, all contents will be removed and disposed of in an approved sanitary landfill.
- c. The supplier, including broken sacks, will pick up slats remaining after completion of well.
- d. A Porto-john will be provided for the rig crews. This equipment will be properly maintained during the drilling and completion operations and will be removed when all operations are complete.
- e. Disposal of fluids to be transported will be by the following companies:
  - 1. Solids - CONTROL RECOVERY INC - R9166
  - 2. Liquids - SUNDANCE LANDFILL - NM-01-003

**8. Ancillary Facilities:** None needed

**9. Well Site Layout**

See attached for the proposed well site layout with dimensions of the pad layout and equipment location.

V-Door WEST CL Tanks 40' X 75' Pad 280' X 410'

**10. Plans for Surface Reclamation:**

- a. After concluding the drilling and/or completion operations, if the well is found non-commercial, the caliche will be removed from the pad and transported to the original caliche pit or used for other drilling locations. The road will be reclaimed as directed by the BLM. The original top soil will again be returned to the pad and contoured, as close as possible, to the original topography.
- b. If the well is deemed commercially productive, caliche from areas of the pad site not required for operations will be reclaimed. The original top soil will be returned to the area of the drill pad not necessary to operate

the well. These unused areas of the drill pad will be contoured, as close as possible, to match the original topography, and the area will be seeded with an approved BLM mixture to re-establish vegetation.

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## 11. Surface Ownership

The surface is owned by the U.S. Government and is administered by the BLM. The surface is multiple use with the primary uses of the region for the grazing of livestock and the production of oil and gas. The surface is leased to: \_\_\_\_\_ G & L Cattle, LLC

They will be notified of our intention to drill prior to any activity.

## 12. Other Information

a. The vegetation cover is generally sparse consisting of mesquite, yucca, shinnery oak, sandsage and perennial native range grass. The topsoil is sandy in nature. Wildlife in the area is also sparse consisting of deer, coyotes, rabbits, rodents, reptiles, dove and quail.

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b. There is no permanent or live water in the general proximity of the location.

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c. There are no dwellings within 2 miles of the proposed well site.

d. Cultural Resources Examination - this well is located in the Permian Basin MOA.

Pad + 1/4 mile road	\$1,463.00	0	\$0.17/ft over 1/4 mile	\$0.00	\$1,463.00
Pipeline - up to 1mile	\$1,350.00	0	\$274 per 1/4 mile	\$0.00	\$1,350.00
Electric Line - up to 1mile	\$676.00	0	\$0.19/ft over 1 mile	\$0.00	\$676.00
Total	<u>\$3,489.00</u>			<u>\$0.00</u>	<u>\$3,489.00</u>

## 13. Bond Coverage:

Bond Coverage is Nationwide Bond No. \_\_\_\_\_ NM2797

## Operators Representatives:

The OXY Permian representatives responsible for ensuring compliance of the surface use plan are listed below.

Kim Moore  
Production Coordinator  
1017 W. Stañolind Rd.  
Hobbs, NM 88240  
Office Phone: 575-397-8236  
Cellular: 575-706-1219

Charles Wagner  
Manager Field Operations  
1502 West Commerce Dr.  
Carlsbad, NM 88220  
Office Phone: 575-628-4151  
Cellular: 575-725-8306

Allan Wells  
Drilling Superintendent  
P.O. Box 4294  
Houston, TX 77210  
Office Phone: 713-350-4810  
Cellular: 713-569-8697

Calvin (Dusty) Weaver  
Operation Specialist  
P.O. Box 50250  
Midland, TX 79710  
Office Phone: 432-685-5723  
Cellular: 806-893-3067

Juan Pinzon  
Drilling Engineering Supervisor  
P.O. Box 4294  
Houston, TX 77210  
Office Phone: 713-366-5058  
Cellular: 713-503-3962

Carlos Mercado  
Drilling Engineer  
P.O. Box 4294  
Houston, TX 77210  
Office Phone: 713-366-5418  
Cellular: 281-455-3481

**LUSK 28 WEST FEDERAL COM #1H**

Surface Owner: BLM

Tenant: G & L Cattle, LLC

23574 HWY 287

Springfield, CO 81073

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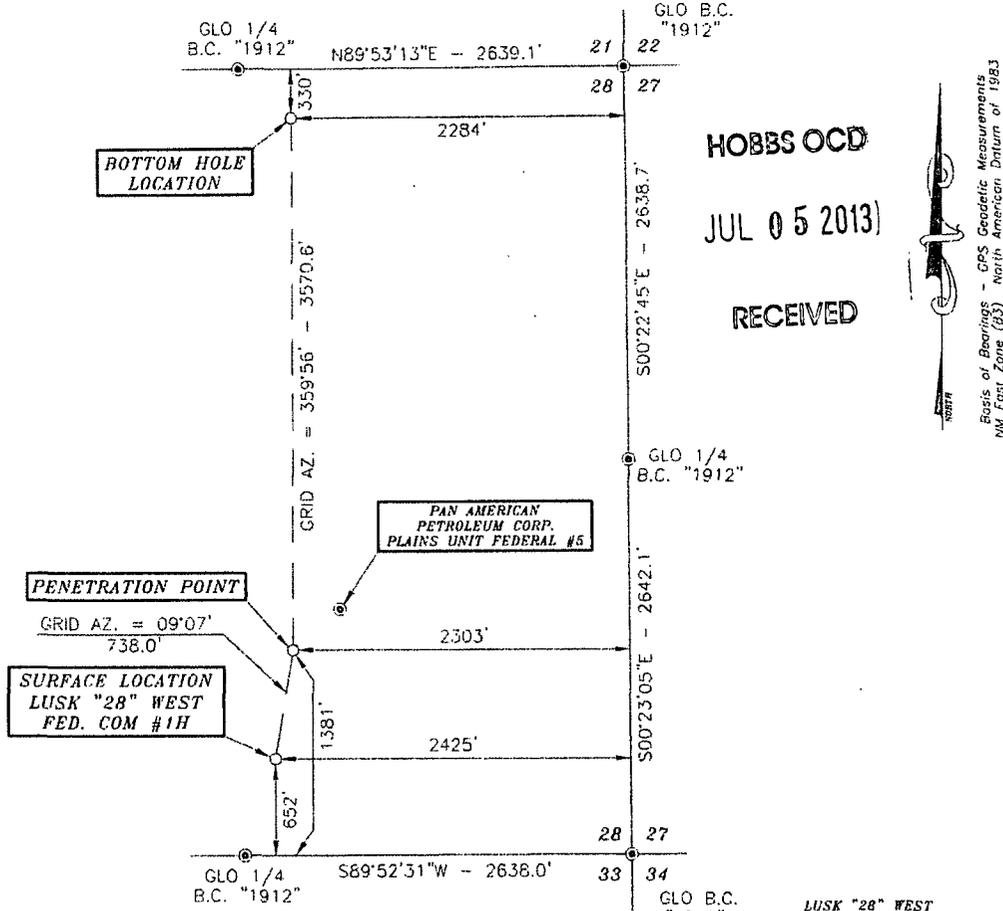
**OPERATOR CERTIFICATION**

I hereby certify that I, or someone under my direct supervision, have inspected the drill site and access route proposed herein; that I am familiar with the conditions that presently exist; that I have full knowledge of State and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or the company I represent, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements. Executed this 11<sup>th</sup> day of December 2012.

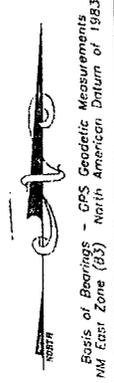
Name: David Schellstede   
Position: Reservoir Management Team Leader  
Address: 5 Greenway Plaza, Suite 110, Houston, TX 77046  
Telephone: 713-366-5013  
E-mail: (optional): david\_schellstede@oxy.com  
Company: Occidental Permian Limited Partnership  
Field Representative (if not above signatory): Dusty Weaver  
Address (If different from above): P.O. Box 50250 Midland, TX 79710  
Telephone (if different from above): 432-685-5723  
E-mail (if different from above): calvin\_weaver@oxy.com

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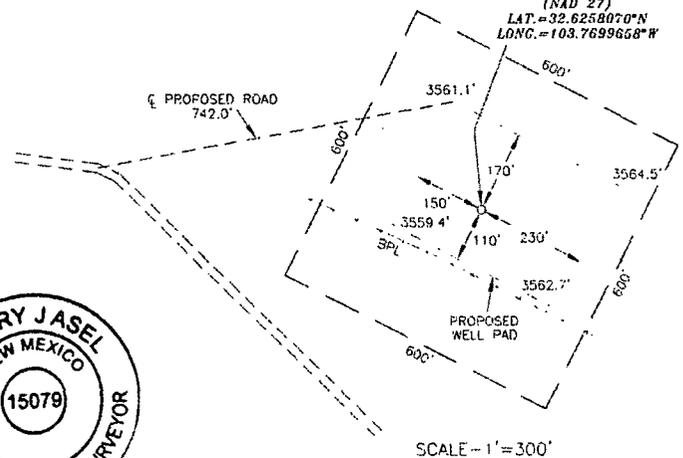
SECTION 28, TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.,  
LEA COUNTY, NEW MEXICO



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DRIVING DIRECTIONS:  
BEGINNING AT THE INTERSECTION OF  
U.S. HWY. #62/180 AND STATE  
HWY. #176, GO NORTHEAST ON  
STATE HWY. #176 FOR 3.0 MILES,  
GO EAST FOR 0.8 MILES, TURN  
LEFT ON COUNTY ROAD #126A AND  
GO NORTH FOR 3.8 MILES, TURN  
RIGHT ON CALICHE ROAD AND GO  
EAST FOR 1.1 MILES, TURN LEFT  
AND GO NORTHEAST FOR 0.2 MILES,  
GO EAST FOR 0.2 MILES, CONTINUE  
EAST ON PROPOSED ROAD FOR  
742.0 FEET TO LOCATION.



**SURVEYORS CERTIFICATE**  
I, TERRY J. ASEL, NEW MEXICO PROFESSIONAL SURVEYOR  
NO. 15079, DO HEREBY CERTIFY THAT I CONDUCTED AND AM  
RESPONSIBLE FOR THIS SURVEY, THAT THIS SURVEY IS  
TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND  
BELIEF, AND MEETS THE "MINIMUM STANDARDS FOR  
SURVEYING IN NEW MEXICO" AS ADOPTED BY THE NEW  
MEXICO STATE BOARD OF REGISTRATION FOR  
PROFESSIONAL ENGINEERS AND SURVEYORS.

*Terry J. Asel* 9/7/2012  
Terry J. Asel N.M. R.P.L.S. No. 15079

Asel Surveying  
P.O. BOX 393 - 310 W. TAYLOR  
HOBBS, NEW MEXICO - 575-393-9146



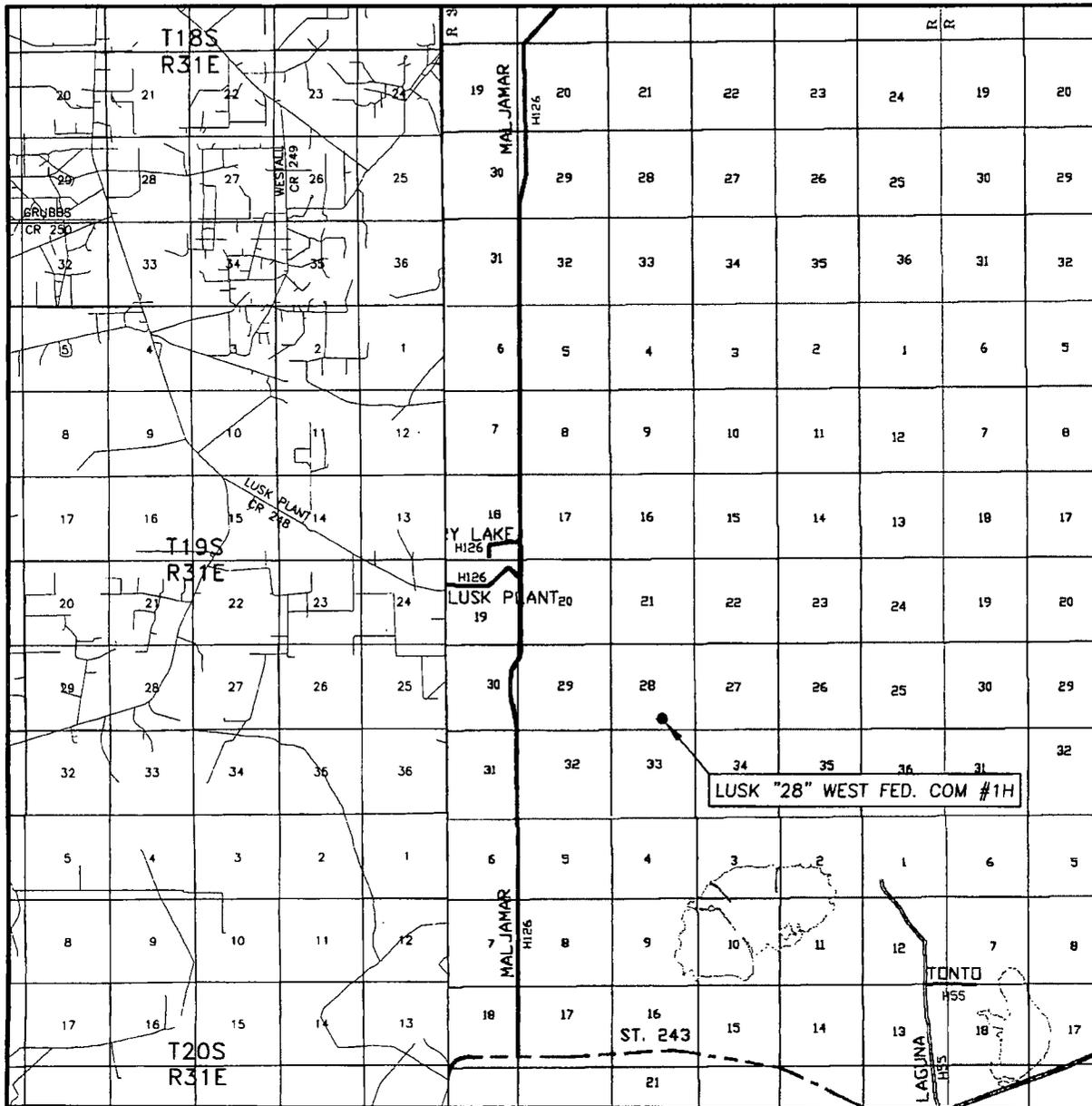
**LEGEND**  
● - DENOTES FOUND MONUMENT AS NOTED

1000' 0 1000' 2000' FEET  
SCALE: 1"=1000'

<b>Occidental Permian LP</b>		
LUSK "28" WEST FED. COM #1H LOCATED AT 652' FSL & 2425' FEL IN SECTION 28, TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO		
Survey Date: 06/14/12	Sheet 1 of 1 Sheets	
W.O. Number: 120614WL-a	Drawn By: KA	Rev:
Date: 09/07/12	120614WL-a	Scale: 1"=1000'

# VICINITY MAP

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SEC. 28 TWP. 19-S RGE. 32-E

SCALE: 1" = 2 MILES

SURVEY N.M.P.M.

COUNTY LEA

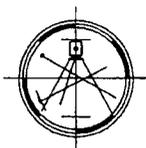
DESCRIPTION 652' FSL & 2425' FEL

ELEVATION 3560.8'

OPERATOR Occidental Permian LP

LEASE LUSK "28" WEST FED. COM #1H

Asel Surveying



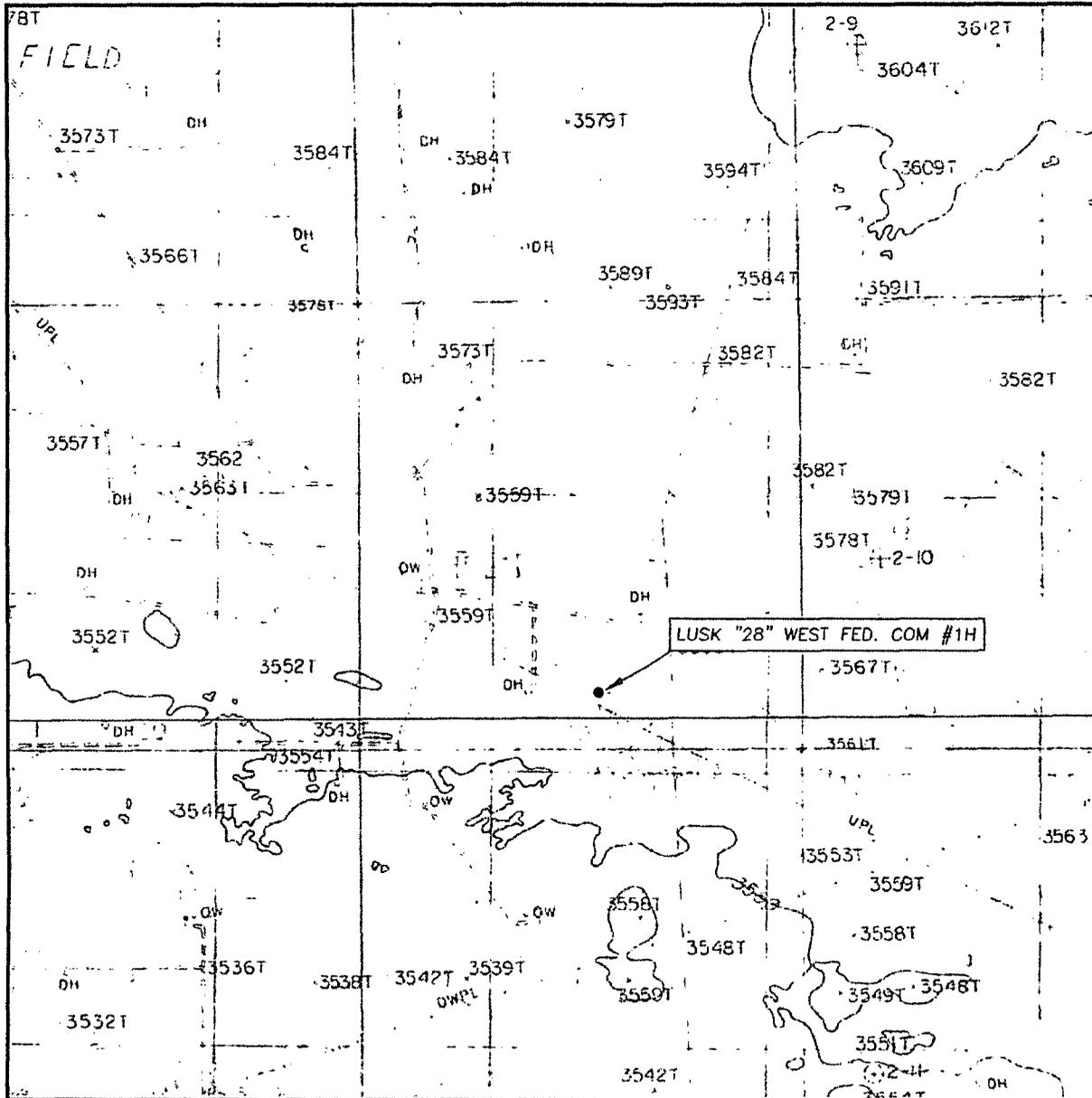
P.O. BOX 393 - 310 W. TAYLOR  
HOBBS, NEW MEXICO - 575-393-9146

DIRECTIONS BEGINNING AT THE INTERSECTION OF U.S. HWY. #62/180 AND STATE HWY. #176, GO NORTHEAST ON STATE HWY. #176 FOR 3.0 MILES, GO EAST FOR 0.8 MILES, TURN LEFT ON COUNTY ROAD #126A AND GO NORTH FOR 3.8 MILES, TURN RIGHT ON CALICHE ROAD AND GO EAST FOR 1.1 MILES, TURN LEFT AND GO NORTHEAST FOR 0.2 MILES, GO EAST FOR 0.2 MILES, CONTINUE EAST ON PROPOSED ROAD FOR 742.0 FEET TO LOCATION.

# LOCATION VERIFICATION MAP

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SCALE: 1" = 2000'

CONTOUR INTERVAL: 10'

SEC. 28 TWP. 19-S RGE. 32-E

SURVEY N.M.P.M.

COUNTY LEA

DESCRIPTION 652' FSL & 2425' FEL

ELEVATION 3560.8'

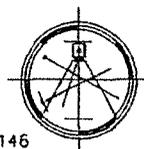
OPERATOR Occidental Permian LP

LEASE LUSK "28" WEST FED. COM #1H

U.S.G.S. TOPOGRAPHIC MAP  
GREENWOOD LAKE, N.M.

Asel Surveying

P.O. BOX 393 - 310 W. TAYLOR  
HOBBS, NEW MEXICO - 575-393-9146



HOBBS OCD

JUL 05 2013

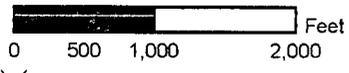
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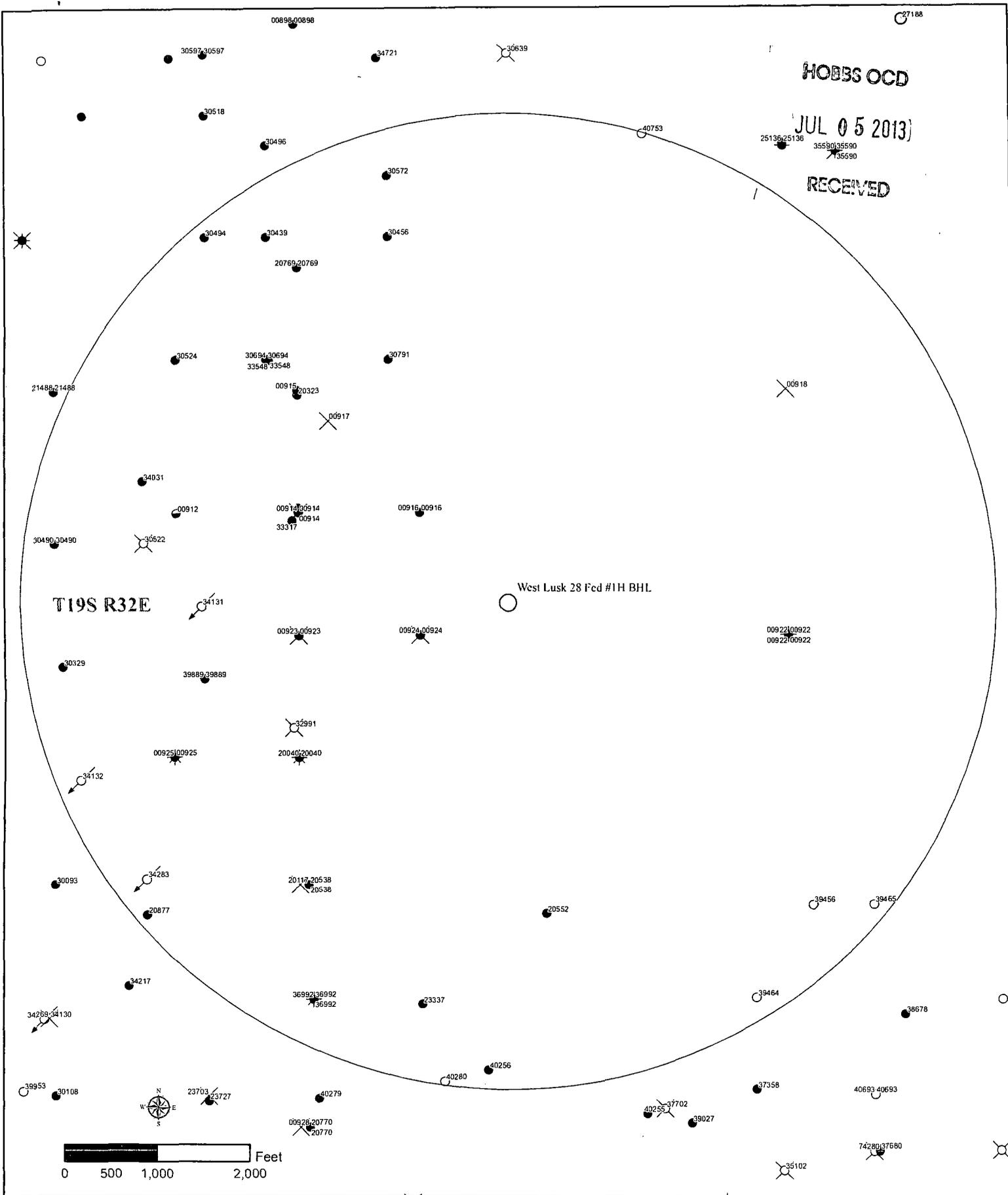
T19S R32E

West Lusk 28 Fed #1H

T20S R32E



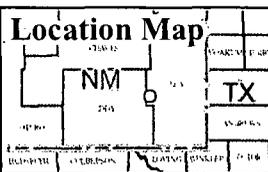
<p><b>Permian Primary</b></p> <p>New Mexico Eddy &amp; Lea Counties Oxy 2012 Wells with 1 Mile Radius</p> <p>DL - 11/08/2012</p>	OXY WELL IHS Well GAS OIL O&G	GAS SHOWS OIL SHOWS O&G SHOWS LOC SUS AGW AOW AO&GW	ABANDONED LOC ABANDONED-NO SHOWS INI-NO SHOWS	OTHER 1 MILE RADIUS	<p><b>Coordinate System Information</b></p> <p>Geographic Coordinate System North American 1983          Datum: North American 1983          11AD 1927 State Plane New Mexico East FIPS 5001          Projection: Transverse Mercator          False Easting 500000.000000          False Northing 0.000000          Central Meridian -104.333333          Scale Factor 0.999909          Latitude Of Origin 31.000000          Linear Unit: Foot US</p>	<p><b>Location Map</b></p>
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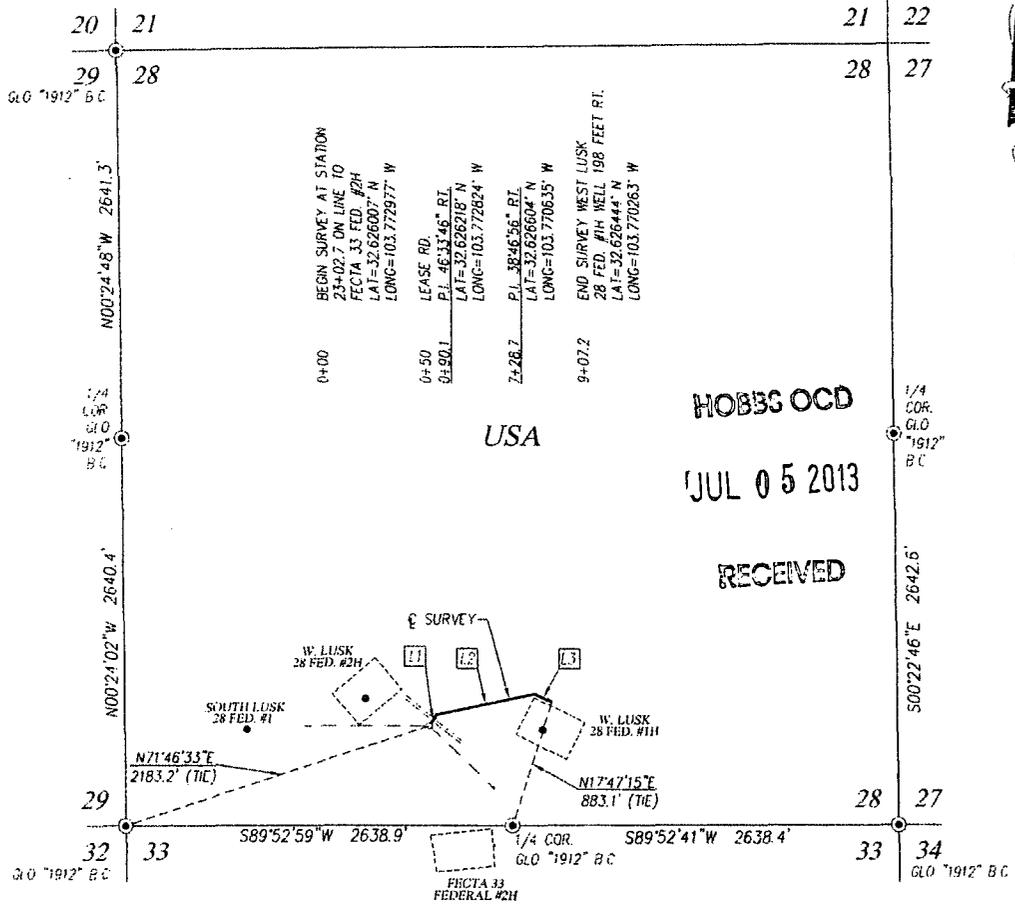
**Permian Primary**  
 New Mexico  
 Eddy & Lea Counties  
 Oxy 2012 Wells with  
 1 Mile Radius  
 DL - 11/08/2012

- OXY WELL Bottom Hole
- IHS Well
- ☀ GAS
- OIL
- ☀ O&G
- ☀ GAS SHOWS
- OIL SHOWS
- ☀ O&G SHOWS
- LOC
- ☀ SUS
- ☀ AGW
- AOW
- ☀ AO&GW
- ABANDONED LOC
- ☀ ABANDONED-NO SHOWS
- INJ-NO SHOWS
- OTHER
- 1 MILE RADIUS

**Coordinate System Information**  
 Geographic Coordinate System North American 1927  
 Datum: North American 1927  
 NAD 1927 State Plane New Mexico East FIPS 3001  
 Projection: Transverse Mercator  
 False Easting: 500000.000000  
 False Northing: 0.000000  
 Central Meridian: -104.333333  
 Scale Factor: 0.999909  
 Latitude Of Origin: 31.000000  
 Linear Unit: Foot US



SECTION 28, TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.,  
LEA COUNTY NEW MEXICO



**DESCRIPTION**

SURVEY OF A STRIP OF LAND 50.0 FEET WIDE AND 907.2 FEET OR 0.172 MILES IN LENGTH CROSSING USA LAND IN SECTION 28, TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M., LEA COUNTY, NEW MEXICO, AND BEING 25.0 FEET LEFT AND 25.0 FEET RIGHT OF THE ABOVE PLATTED CENTERLINE SURVEY.

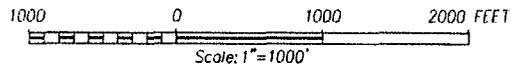
**NOTE**

BEARINGS SHOWN HEREON ARE MERCATOR GRID AND CONFORM TO THE NEW MEXICO COORDINATE SYSTEM "NEW MEXICO EAST ZONE" NORTH AMERICAN DATUM 1983. DISTANCES ARE SURFACE VALUES.

LINE	BEARING	DISTANCE
L1	N31°20'36\"E	90.1'
L2	N77°54'22\"E	688.6'
L3	S63°18'42\"E	128.5'

**LEGEND**

⊙ DENOTES FOUND CORNER AS NOTED



I, RONALD J. EIDSON, NEW MEXICO PROFESSIONAL SURVEYOR No. 3239, DO HEREBY CERTIFY THAT THIS SURVEY PLAN AND THE ACTUAL SURVEY ON THE GROUND UPON WHICH IT IS BASED WERE PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, THAT I AM RESPONSIBLE FOR THIS SURVEY; 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.

RONALD J. EIDSON *Ronald J. Eidson*  
DATE: 09/11/2012

PROVIDING SURVEYING SERVICES SINCE 1946  
**JOHN WEST SURVEYING COMPANY**  
412 N. DAL PASO  
HOBBES, N.M. 88240  
(575) 393-3117 www.jwsc.biz

**Occidental Permian LP**

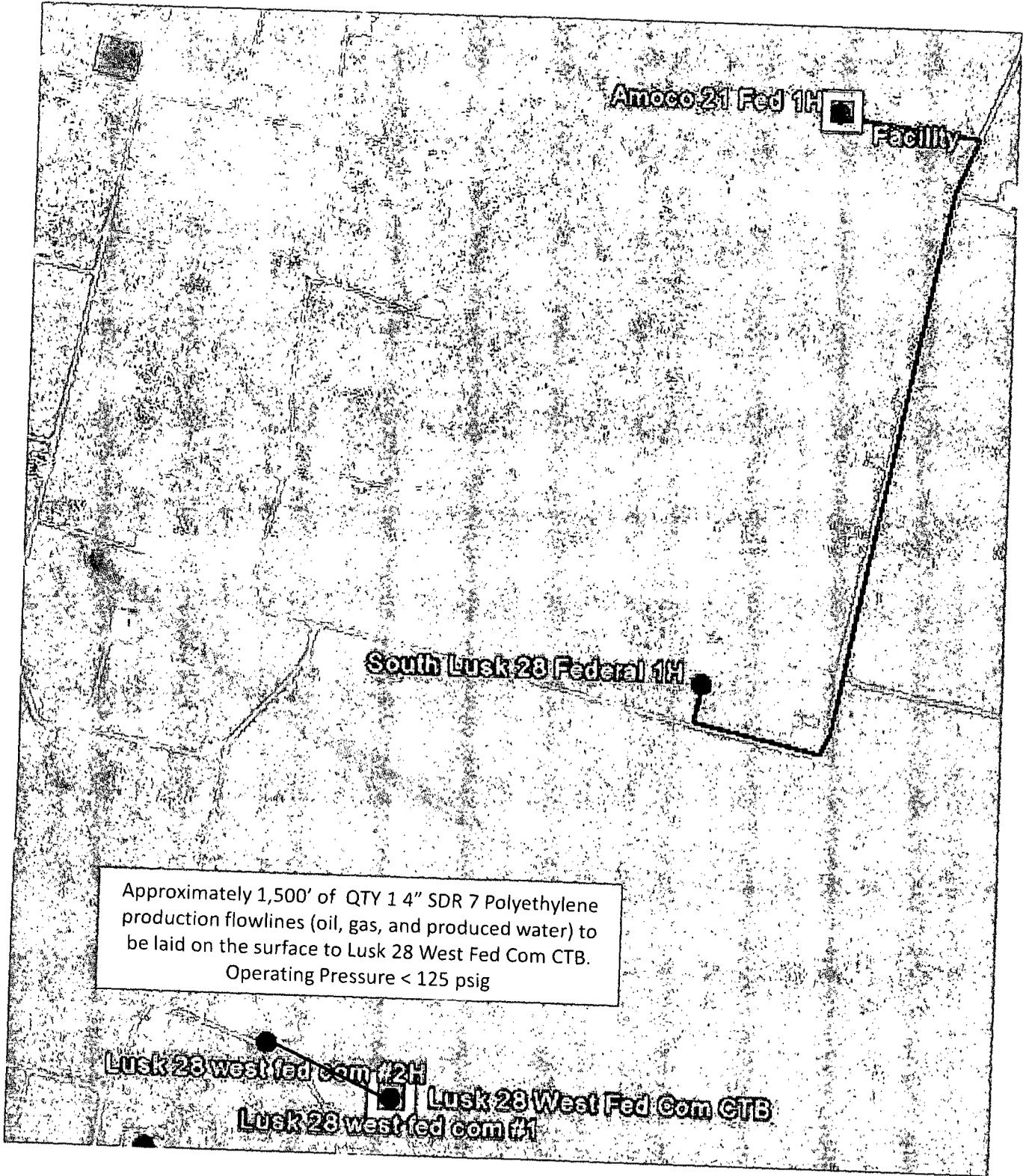
SURVEY OF AN ELECTRIC LINE  
CROSSING SECTION 28,  
TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.  
LEA COUNTY, NEW MEXICO

Survey Date: 8/14/12	CAD Date: 8/30/12	Drawn By: ACR
W.O. No.: 12111449	Rev: 9/7/12	Rel. W.O.: 12111438

Sheet 1 of 1

# Lusk 28 West Fed Com #2H & #1H Flow line routing

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# Lusk 28 West Fed Com #2H & #1H Gas line routing

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