

AUG 21 2015

DISTRICT I

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DISTRICT II

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DISTRICT III

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Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV

11885 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3462State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
11885 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

RECEIVED

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025- 42750	Pool Code 41440	Pool Name Lusk; Bone Spring
Property Code 308161	Property Name LUSK DEEP UNIT A	Well Number 26H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3542.8

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	19	19-S	32-E		330	SOUTH	1780	WEST	LEA

Bottom Hole Location If Different From Surface

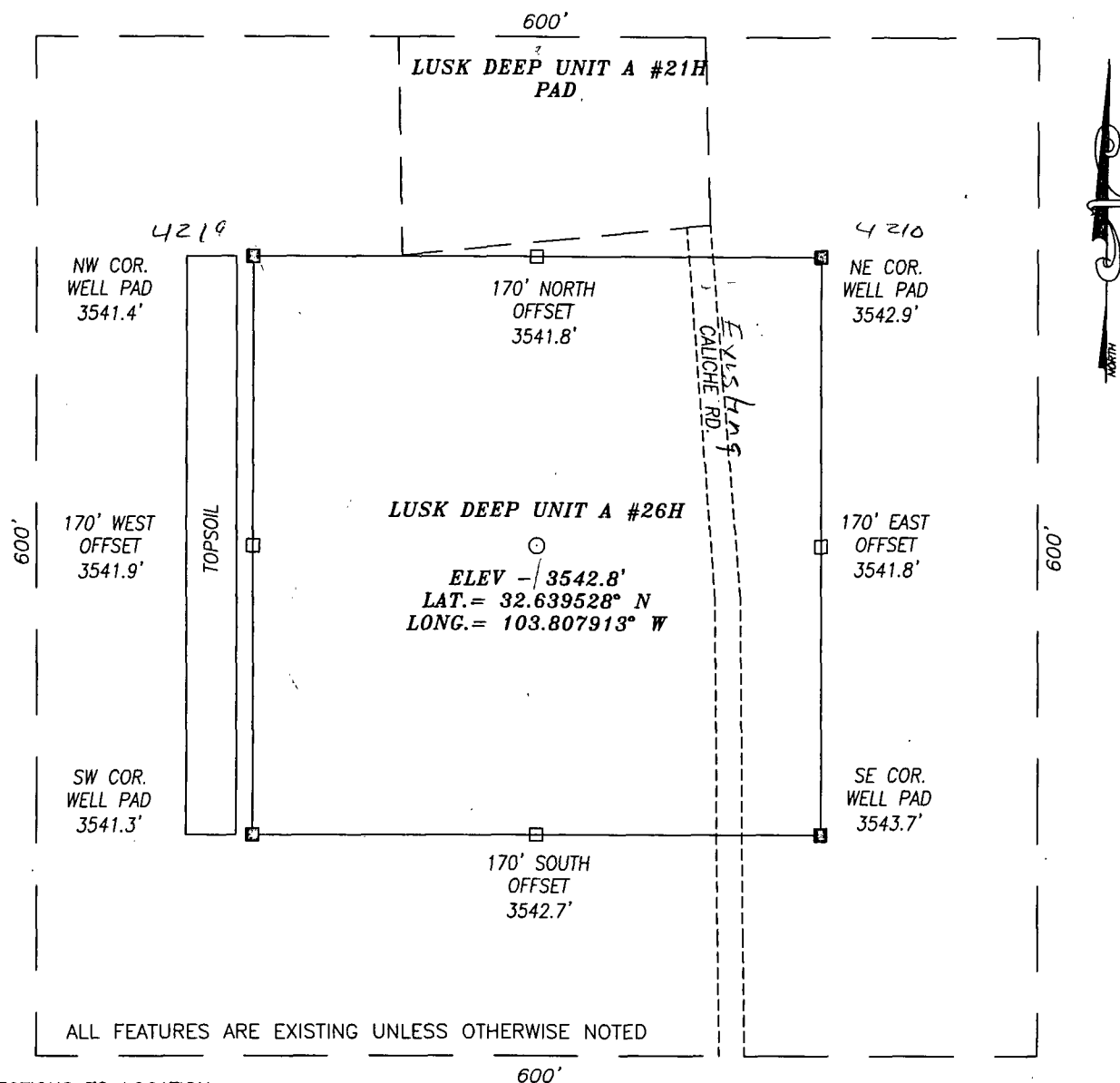
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
C	19	19-S	32-E		330	NORTH	1980	WEST	LEA
Dedicated Acres 160	Joint or Infill	Consolidation Code	Order No.						

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

LOT 1 1980' Y=601714.4 N X=661267.4 E 40.70 Ac LOT 2 40.74 Ac LOT 3 40.81 Ac LOT 4 40.86 Ac GRID AZ. = 102°05'02" HORZ. DIST. = 4614.7' NMNM0016497 NMLC068019 NMLC065863 NMLC0068947 B.H. S.L. 330'	NAD 27 PROPOSED BOTTOM HOLE LOCATION Y=601383.3 N X=661905.7 E LAT.=32.652202° N LONG.=103.807293° W NAD 27 SURFACE LOCATION Y=596771.7 N X=661737.9 E LAT.=32.639528° N LONG.=103.807913° W	OPERATOR CERTIFICATION I hereby certify that the information 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 mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division. <i>Melanie J Parker</i> 11/3/14 Signature Date Printed Name mparker@concho.com E-mail Address 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. JUNE 12, 2013 Date of Survey Signature & Seal of Professional Surveyor <i>Chad L. Harcrow</i> 6/25/13 Certificate No. CHAD HARCROW 17777 W.O. # 13-351 DRAWN BY: VD
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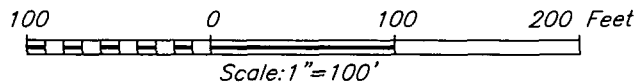
AUG 24 2015

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



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF LUSK RD AND CR #126A (MALJAMAR RD) GO APPROX. 0.9 MILE SOUTH ALONG MALJAMAR RD; THEN TURN RIGHT (NORTHWEST) AND GO APPROX. 0.1 MILE TO EXISTING ELLIOT HALL A #1 WELL PAD; GO TO SOUTHWEST PAD CORNER AND FOLLOW CALICHE RD SOUTHWEST FOR APPROX. 0.3 MILE; THEN TURN RIGHT (NORTHWEST) AND GO APPROX. 0.3 MILE TO EXISTING DEL HI FED COM #1 WELL PAD; GO TO NORTHWEST PAD CORNER AND FOLLOW CALICHE RD NORTH FOR APPROX. 0.2 MILE AND PROPOSED WELL IS APPROX. 120 FEET WEST.



HARCROW SURVEYING, LLC

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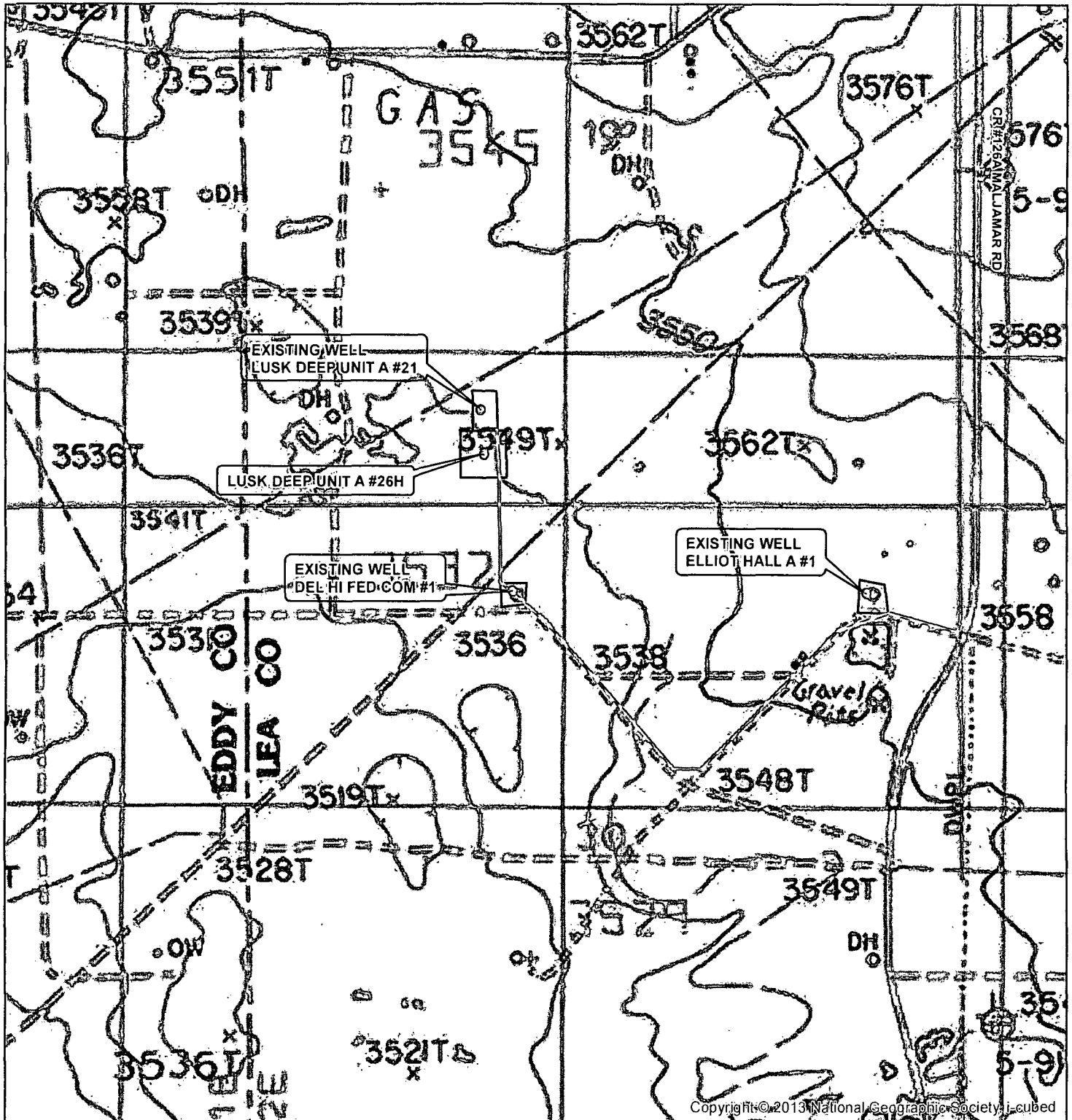
COG OPERATING, LLC

LUSK DEEP UNIT A #26H WELL
LOCATED 330 FEET FROM THE SOUTH LINE
AND 1780 FEET FROM THE WEST LINE OF SECTION 19,
TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

SURVEY DATE: 06/12/2013	PAGE: 1 OF 1
DRAFTING DATE: 06/17/2013	
APPROVED BY: CH	DRAWN BY: VD FILE: 13-351

EXHIBIT 2

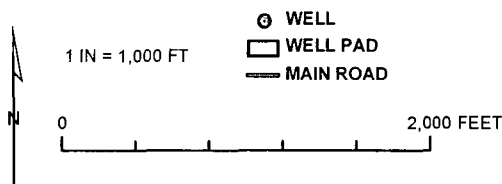
LOCATION VERIFICATION MAP



SEC. 19, TWP. 19S, RGE. 32E
 SURVEY: N.M.P.M
 COUNTY: LEA STATE: NEW MEXICO
 DESCRIPTION: LUSK DEEP UNIT A #26H
 330' FSL, 1780' FWL

ELEVATION: 3542.8'
 OPERATOR: COG OPERATING LLC
 LEASE: LUSK DEEP UNIT

W.O. # 13-351

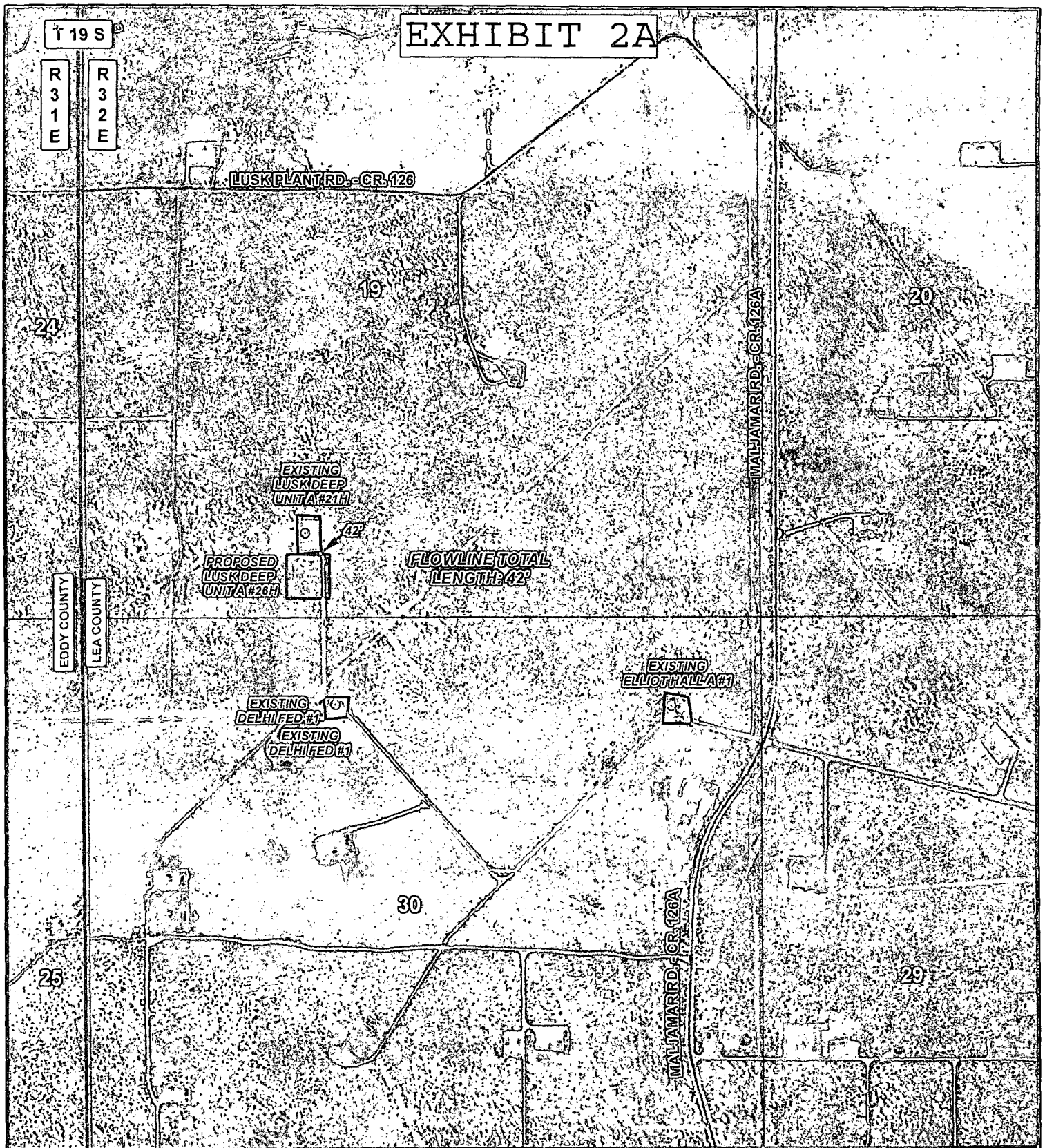


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MAP DATE: 6/17/2013

EXHIBIT 2A

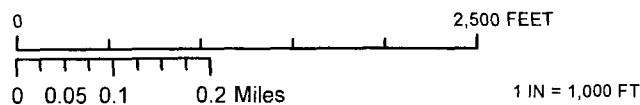


LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- FLOWLINE

LUSK DEEP FLOWLINE

SECTION: 19 TOWNSHIP: 19 S. RANGE: 32 E.
 STATE: NEW MEXICO COUNTY: LEA SURVEY: N.M.P.M
 W.O. # 14-615 LEASE: LUSK DEEP UNIT A



LOCATION MAP

IMAGERY

07/15/2014

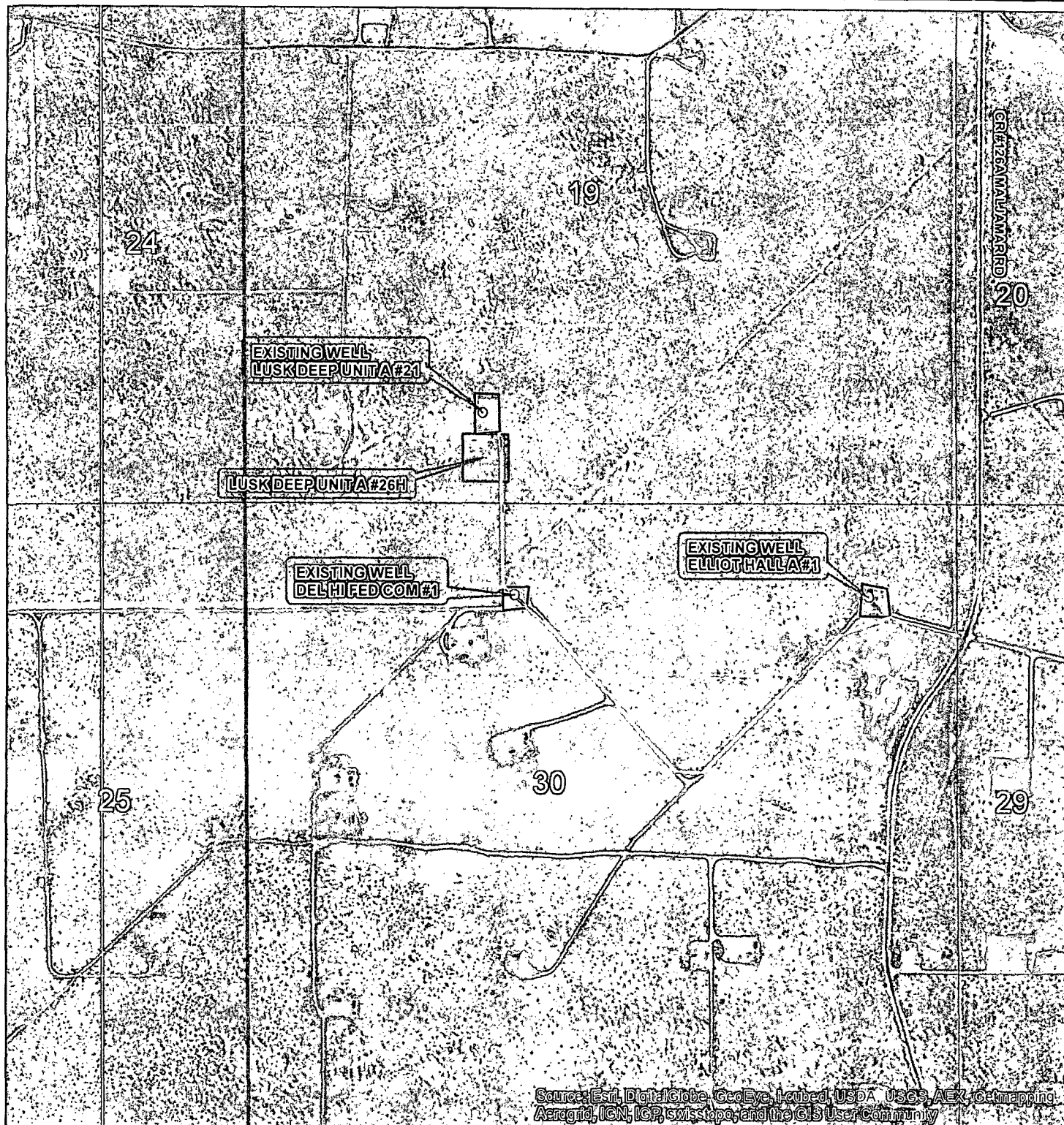
S.P.

CONCHO
 COG OPERATING, LLC



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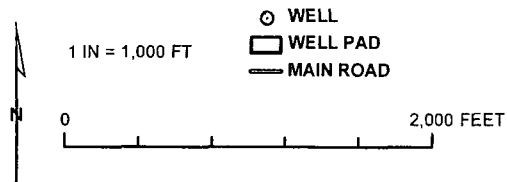
LOCATION VERIFICATION MAP



SEC. 19, TWP. 19S, RGE. 32E
 SURVEY: N.M.P.M.
 COUNTY: LEA STATE: NEW MEXICO
 DESCRIPTION: LUSK DEEP UNIT A #26H
 330' FSL, 1780' FWL

ELEVATION: 3542.8'
 OPERATOR: COG OPERATING LLC
 LEASE: LUSK DEEP UNIT

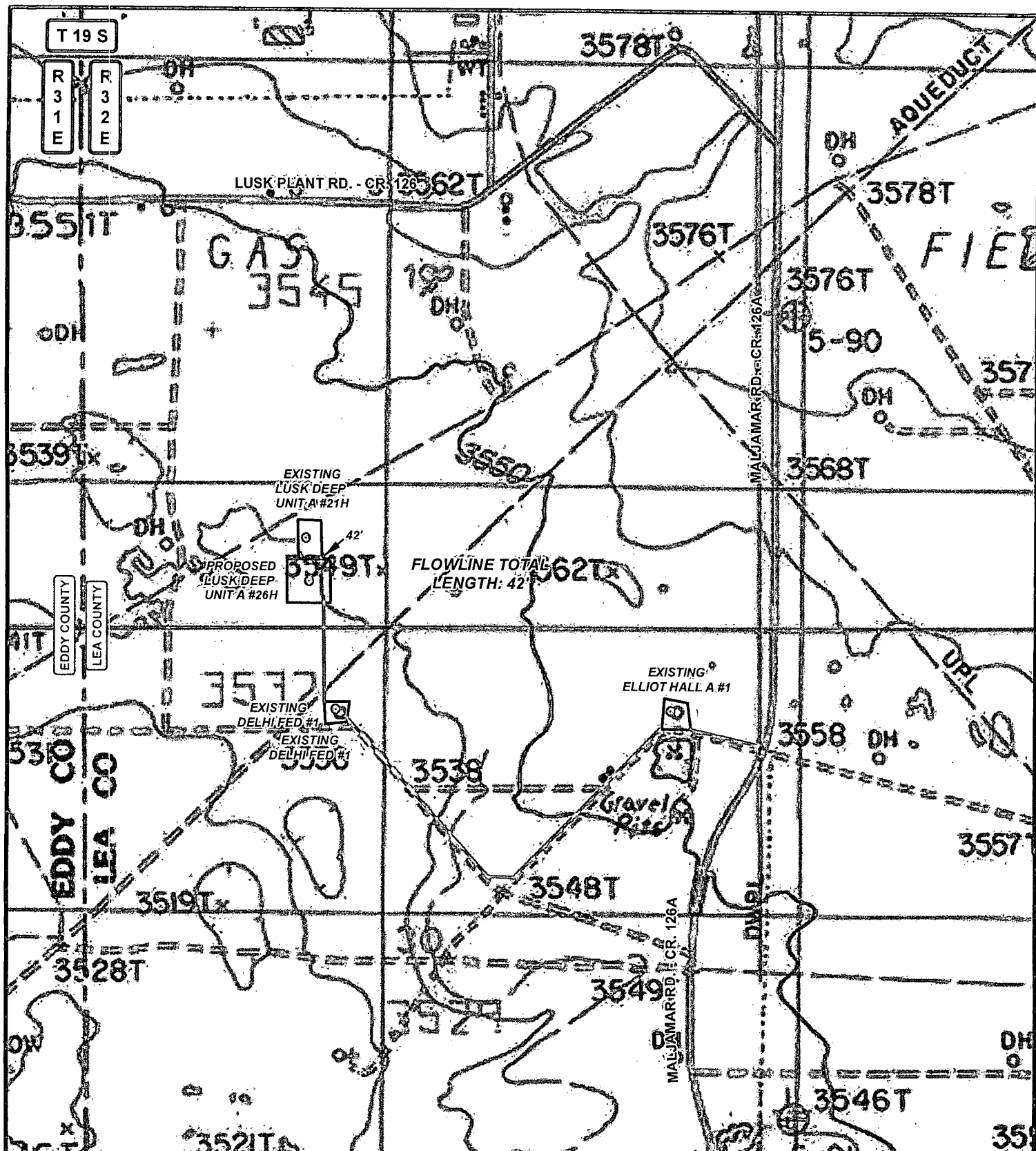
W.O. # 13-351



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MAP DATE: 6/17/2013



LEGEND

- WELL
- WELLPAD
- EXISTING ROAD
- FLOWLINE

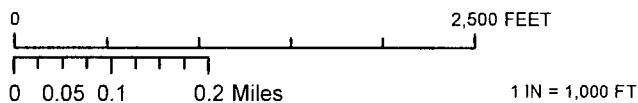
LUSK DEEP FLOWLINE

SECTION: 19 TOWNSHIP: 19 S. RANGE: 32 E.

STATE: NEW MEXICO COUNTY: LEA SURVEY: N.M.P.M

W.O. # 14-615

LEASE: LUSK DEEP UNIT A



LOCATION MAP

TOPO

07/15/2014

S.P.

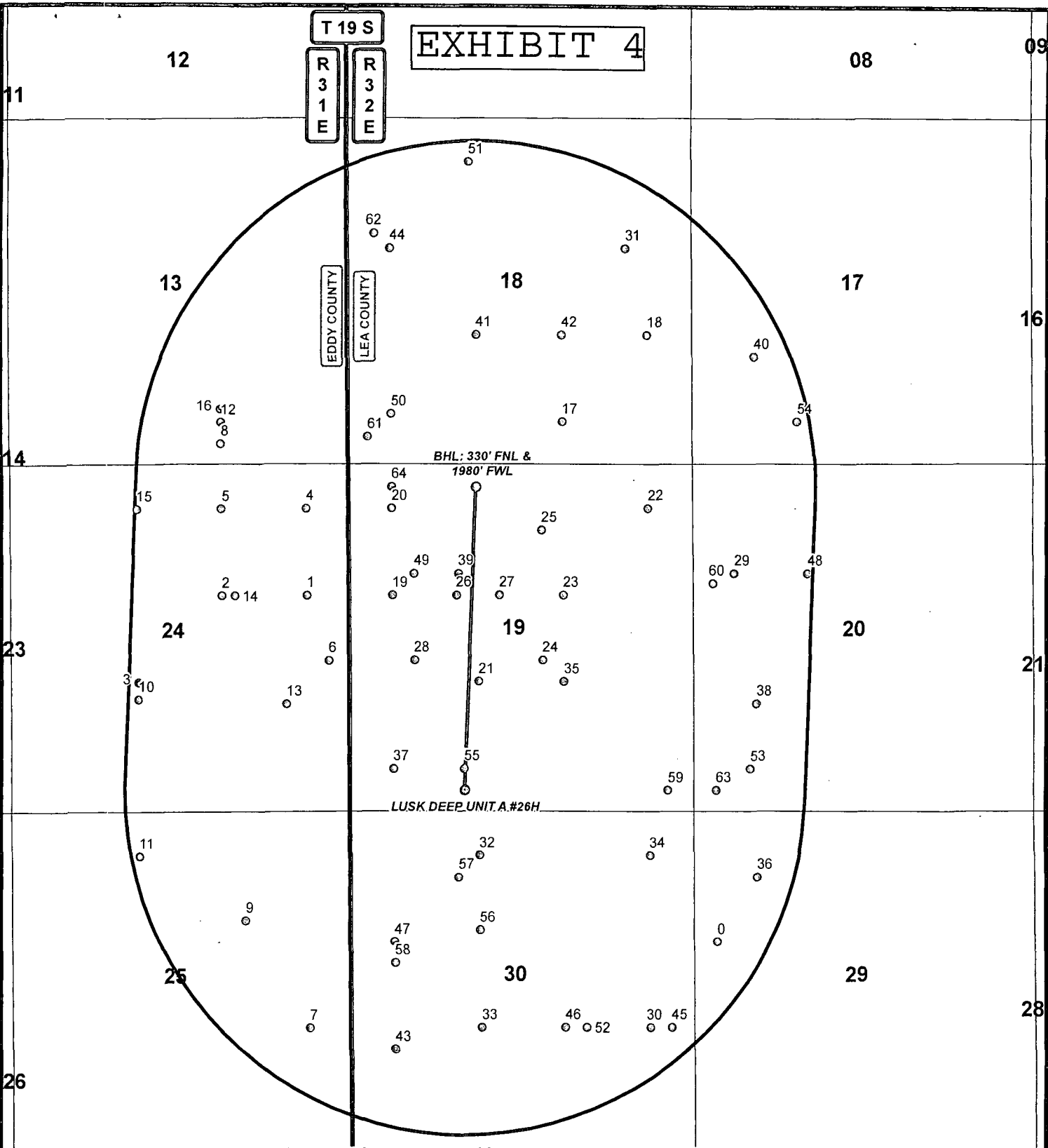


COG OPERATING, LLC



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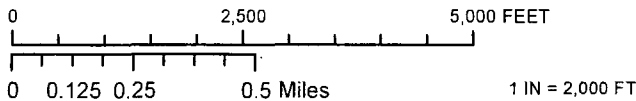
DATA FOR "WELLS WITHIN 1 MI." IS TAKEN FROM THE NEW MEXICO EMNRD WEBSITE. THE DATA HAS BEEN UPDATED THROUGH APRIL 13, 2014.

LEGEND

- WELL
- BOTTOMHOLE
- WELLS WITHIN 1 MI.
- 1 MI. BUFFER

LUSK DEEP UNIT A #26H

SEC: 19 TWP: 19 S. RGE: 32 E. ELEVATION: 3542.8'
 STATE: NEW MEXICO COUNTY: LEA 330' FSL & 1780' FWL
 W.O. # 14-422 LEASE: LUSK DEEP UNIT A SURVEY: N.M.P.M



1 MILE MAP

05/20/2014

S.P.



COG OPERATING, LLC



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 chad_harcrow77@yahoo.com

FID	OPERATOR	WELL_NAME	LATITUDE	LONGITUDE	API	SECTION	TOWNSHIP	RANGE	FTG_NS	NS_CD	FTG_EW	EW_CD	TVD_DEPTH	COMPL_STAT
0	CIMAREX ENERGY CO. OF COLORADO	SOUTHERN CALIFORNIA 29 FEDERAL 016H	32.633259	-103.795698	3002539853	29	19.0S	32E	1980 N		375 W		9211	New (Not drilled or compl)
1	TANDEM ENERGY CORPORATION	OHIO JONES 001	32.647835	-103.816344	3001505785	24	19.0S	31E	1980 N		660 E		2470	Active
2	TANDEM ENERGY CORPORATION	OHIO JONES 002	32.647829	-103.820653	3001505786	24	19.0S	31E	1980 N		1980 E		2654	Active
3	PLAINS PROD CO	JONES 003	32.644188	-103.824894	3001505787	24	19.0S	31E	1980 S		1980 W		0	Plugged
4	PLAINS PROD CO	JONES 005	32.651463	-103.816358	3001505788	24	19.0S	31E	660 N		660 E		0	Plugged
5	MACK ENERGY CORP	OHIO JONES FED 006	32.651458	-103.820667	3001505789	24	19.0S	31E	660 N		1980 E		0	Plugged
6	PLAINS PROD CO	JONES 007	32.645108	-103.815256	3001505790	24	19.0S	31E	2310 S		330 E		0	Plugged
7	LYNX PETROLEUM CONSULTANTS INC	JONES B FEDERAL 001	32.629679	-103.816274	3001510056	25	19.0S	31E	1980 S		660 E		0	Plugged
8	H N SWEENEY	MALONE FED 001	32.654179	-103.820678	3001510119	13	19.0S	31E	330 S		1980 E		0	Plugged
9	FINA OIL & CHEMICAL	JONES FEDERAL 002	32.634217	-103.819522	3001510189	25	19.0S	31E	1650 N		1650 E		12775	Plugged
10	DOWDCO INC	JONES C FEDERAL 001	32.643501	-103.824891	3001510277	24	19.0S	31E	1730 S		1980 W		0	Plugged
11	DOWDCO INC	JONES B FEDERAL 002	32.636931	-103.824868	3001510279	25	19.0S	31E	660 N		1980 W		0	Plugged
12	PHILLIPS PETROLEUM CO	SIMON A 001	32.655086	-103.820682	3001510357	13	19.0S	31E	660 S		1980 E		0	Plugged
13	PHILLIPS PETROLEUM CO	LUSK DEEP UNIT 008	32.643291	-103.817404	3001510382	24	19.0S	31E	1650 S		990 E		0	Plugged
14	FINA OIL & CHEMICAL	JONES G FED COM 001	32.64783	-103.82	3001510393	24	19.0S	31E	1980 N		1780 E		0	Plugged
15	DEVON ENERGY PRODUCTION COMPANY, LP	RADAR 24 FEDERAL 001	32.651452	-103.82492	3001531357	24	19.0S	31E	660 N		1980 W		12750	Active
16	COG OPERATING LLC	MARGARET 13 FEDERAL 001	32.655635	-103.820684	3001531730	13	19.0S	31E	860 S		1980 E		12725	Active
17	EL PASO NATURAL GAS	LUSK DEEP UNIT 002	32.655057	-103.803432	3002500900	18	19.0S	32E	660 S		1980 E		13974	Plugged
18	P B ENGLISH	MILLER 001	32.658669	-103.799132	3002500901	18	19.0S	32E	1980 S		660 E		4016	Plugged
19	TANDEM ENERGY CORPORATION	MILLER FEDERAL 001	32.64783	-103.812035	3002500902	19	19.0S	32E	1980 N		660 W		2634	Active
20	CARPER DRILLING CO	MILLER 001	32.651458	-103.812049	3002500903	19	19.0S	32E	660 N		660 W		2710	Plugged
21	CARPER DRILLING CO	MILLER 002	32.644182	-103.807712	3002500904	19	19.0S	32E	1980 S		1980 W		2862	Plugged
22	COG OPERATING LLC	LUSK DEEP UNIT A 001	32.651413	-103.799113	3002500905	19	19.0S	32E	660 N		660 E		12453	Active
23	TOM R CONE	SOUTHERN CALIFORNIA PET FEDERAL 001	32.6478	-103.803413	3002500906	19	19.0S	32E	1980 N		1980 E		2715	Active
24	KELLY G STOUT	SOUTHERN CALIFORNIA 002	32.645079	-103.804484	3002500907	19	19.0S	32E	2310 S		2310 E		2552	Plugged
25	KELLY G STOUT	SOUTHERN CALIFORNIA 003	32.650526	-103.804497	3002500908	19	19.0S	32E	990 N		2310 E		2695	Plugged
26	TOM R CONE	GULF FEDERAL 001	32.647819	-103.808803	3002500909	19	19.0S	32E	1980 N		1650 W		2490	Active
27	TOM R CONE	GULF FEDERAL 002	32.647812	-103.806648	3002500910	19	19.0S	32E	1980 N		2310 W		2500	Active
28	SIMMS & REESE OIL CO	GULF 001	32.645099	-103.810947	3002500911	19	19.0S	32E	2310 S		990 W		2640	Plugged
29	EL PASO NATURAL GAS	LUSK DEEP UNIT 003	32.648679	-103.794797	3002500913	20	19.0S	32E	1650 N		660 W		12621	Plugged
30	PAUL E HASKINS	SHELL FEDERAL 001	32.629642	-103.799073	3002500927	30	19.0S	32E	1980 S		660 E		2768	Plugged
31	SHELL OIL CO	MIDDELTON A FEDERAL 001	32.662309	-103.800219	3002508104	18	19.0S	32E	1980 N		990 E		12505	Plugged
32	CHISOS, LTD	DELHI FEDERAL 001	32.636925	-103.807685	3002520025	30	19.0S	32E	660 N		1980 W		11286	Active
33	OXY USA INC	ELLIOTT HALL B 002	32.629667	-103.807602	3002520035	30	19.0S	32E	1980 S		1997 W		11325	Plugged
34	OXY USA INC	ELLIOTT HALL A 001	32.636897	-103.79908	3002520104	30	19.0S	32E	660 N		660 E		12475	Active
35	COG OPERATING LLC	LUSK DEEP UNIT A 005	32.644168	-103.803404	3002520122	19	19.0S	32E	1980 S		1980 E		12554	Active
36	EL PASO NATURAL GAS	SOUTHERN CALIFORNIA 002	32.635975	-103.793694	3002520156	29	19.0S	32E	990 N		990 W		11407	Plugged
37	EL PASO NATURAL GAS	LUSK DEEP UNIT 006	32.640567	-103.812007	3002520247	19	19.0S	32E	660 S		660 W		11432	Plugged
38	SHACKELFORD OIL CO	LUSK WEST DELAWARE UNIT 012	32.643232	-103.793707	3002520874	20	19.0S	32E	1650 S		990 W		11467	Active
39	TOM R CONE	GULF FEDERAL 003	32.648726	-103.808715	3002520876	19	19.0S	32E	1650 N		1678 W		11223	Active
40	EL PASO NATURAL GAS	LUSK DEEP UNIT 011	32.657747	-103.793743	3002521042	17	19.0S	32E	1650 S		990 W		11470	Plugged
41	COG OPERATING LLC	LUSK DEEP UNIT A 013	32.658701	-103.807766	3002524974	18	19.0S	32E	1980 S		1980 W		12520	Active
42	FRED POOL DRLG INC	LUSK FEDERAL 001	32.658685	-103.803442	3002530500	18	19.0S	32E	1980 S		1980 E		2820	Plugged
43	OXY USA INC	FEDERAL 30 001	32.62877	-103.811962	3002531039	30	19.0S	32E	1650 S		660 W		7300	Active
44	MARBOB ENERGY CORP	CRAZY HORSE 18 FEDERAL 001	32.66235	-103.81209	3002531639	18	19.0S	32E	1980 N		660 W		12650	Plugged
45	COG OPERATING LLC	FEDERAL USA J 003	32.629639	-103.797996	3002532447	30	19.0S	32E	1980 S		330 E		7200	Active
46	COG OPERATING LLC	FEDERAL USA J 004	32.629655	-103.803382	3002532448	30	19.0S	32E	1980 S		1980 E		7200	Active
47	OXY USA INC	GECKO FEDERAL 001	32.63331	-103.811979	3002532678	30	19.0S	32E	1980 N		660 W		7280	Plugged
48	SHACKELFORD OIL CO	LUSK WEST DELAWARE UNIT 006	32.648671	-103.791076	3002534032	20	19.0S	32E	1650 N		1800 W		7165	Active
49	COG OPERATING LLC	LUSK DEEP UNIT A 014	32.648734	-103.810961	3002534573	19	19.0S	32E	1650 N		990 W		12540	Active
50	COG OPERATING LLC	LUSK DEEP UNIT A 016	32.655543	-103.812064	3002535053	18	19.0S	32E	785 S		660 W		12780	Active
51	COG OPERATING LLC	CRAZY HORSE 18 FEDERAL 003	32.665964	-103.808121	3002535087	18	19.0S	32E	660 N		1880 W		12640	Active
52	COG OPERATING LLC	SL DEEP FEDERAL COM 001	32.629652	-103.802305	3002535088	30	19.0S	32E	1980 S		1650 E		12474	Active
53	COG OPERATING LLC	LUSK DEEP UNIT A 017	32.640511	-103.794026	3002535095	20	19.0S	32E	660 S		890 W		12750	Active
54	COG OPERATING LLC	LUSK DEEP UNIT A 019	32.655021	-103.791581	3002535244	17	19.0S	32E	660 S		1650 W		12754	Active
55	COG OPERATING LLC	LUSK DEEP UNIT A 021	32.640556	-103.808449	3002535291	19	19.0S	32E	660 S		1750 W		12718	Active
56	COG OPERATING LLC	SL DEEP FEDERAL 002	32.633792	-103.807673	3002536257	30	19.0S	32E	1800 N		1980 W		12640	Active
57	COG OPERATING LLC	SL DEEP FEDERAL 003	32.636022	-103.808759	3002539441	30	19.0S	32E	990 N		1650 W		9580	Active

58 COG OPERATING LLC	SL DEEP FEDERAL 004H	32.632403	-103.811976	3002539538	30 19.0S	32E	2310 N	660 W	10858 New (Not drilled or compl)
59 COG OPERATING LLC	LUSK DEEP UNIT A 023H	32.639615	-103.79817	3002540260	19 19.0S	32E	330 S	380 E	13595 New (Not drilled or compl)
60 COG OPERATING LLC	LUSK DEEP UNIT A 025H	32.648269	-103.795874	3002540193	20 19.0S	32E	1800 N	330 W	13706 New (Not drilled or compl)
61 COG OPERATING LLC	LUSK DEEP UNIT A 028H	32.654458	-103.813235	3002541291	18 19.0S	32E	430 S	300 W	9247 New (Not drilled or compl)
62 COG OPERATING LLC	CRAZY HORSE FEDERAL COM 002H	32.662985	-103.812876	3002541390	18 19.0S	32E	1750 N	420 W	0 New (Not drilled or compl)
63 COG OPERATING LLC	LUSK DEEP UNIT A 030H	32.639608	-103.795754	3002541513	20 19.0S	32E	330 S	360 W	0 New (Not drilled or compl)
64 COG OPERATING LLC	LUSK DEEP UNIT A 024H	32.652365	-103.812052	3002540863	19 19.0S	32E	330 N	660 W	13660 Active