

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-6181 Fax: (575) 393-0720

DISTRICT II
1301 W. GRAND AVENUE, ARTESIA, NM 88210
Phone: (575) 745-1283 Fax: (575) 745-9720

DISTRICT III
1000 RIO BRAZOS RD., AZTEC, NM 87410
Phone: (505) 334-6178 Fax: (505) 334-6170

DISTRICT IV
11865 S. ST. FRANCIS DR., SANTA FE, NM 87505
Phone: (505) 476-3460 Fax: (505) 476-3482

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
11885 SOUTH ST. FRANCIS DR.
Santa Fe, New Mexico 87505

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

OCT 27 2014

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025- 42209	Pool Code 41440	Pool Name Lusk; Bone Spring
Property Code	Property Name LUSK DEEP UNIT A	Well Number 27H
GRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3584.6

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
3 ✓	18	19-S	32-E		1980	SOUTH	190	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
1	18	19-S	32-E		2180	SOUTH	330	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160.81			

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				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> 6/14/14 Signature Date Melanie J Parker Printed Name mparker@concho.com E-mail Address	
ACREAGES ARE GRID 40.88 Ac				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  Chad Harcrow 5/16/14 Certificate No. CHAD HARCROW 17777 W.O. # 13-352 DRAWN BY: VD	
LOT 2	NAD 27 SURFACE LOCATION Y=603696.0 N X=660099.7 E LAT.=32.658583° N LONG.=103.813124° W	NAD 27 PROPOSED BOTTOM HOLE LOCATION Y=603903.3 N X=664883.0 E LAT.=32.659088° N LONG.=103.797579° W	Y=604371.4 N X=665208.4 E		
As per LR2000 Lot #3 40.81 AC					
40.83 Ac					
LOT 3					
NMN0038690					
190' S.L.	GRID AZ. - 87°31'06" HORZ. DIST. - 4787.8'			B.H. 330'	
NMLC0068947					
40.78 Ac					
LOT 4					
Y=603037.0 N X=659914.3 E				Y=603048.2 N X=665221.5 E	
1980'				2180'	
40.79 Ac					

OCT 28 2014

NEW MEXICO

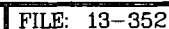
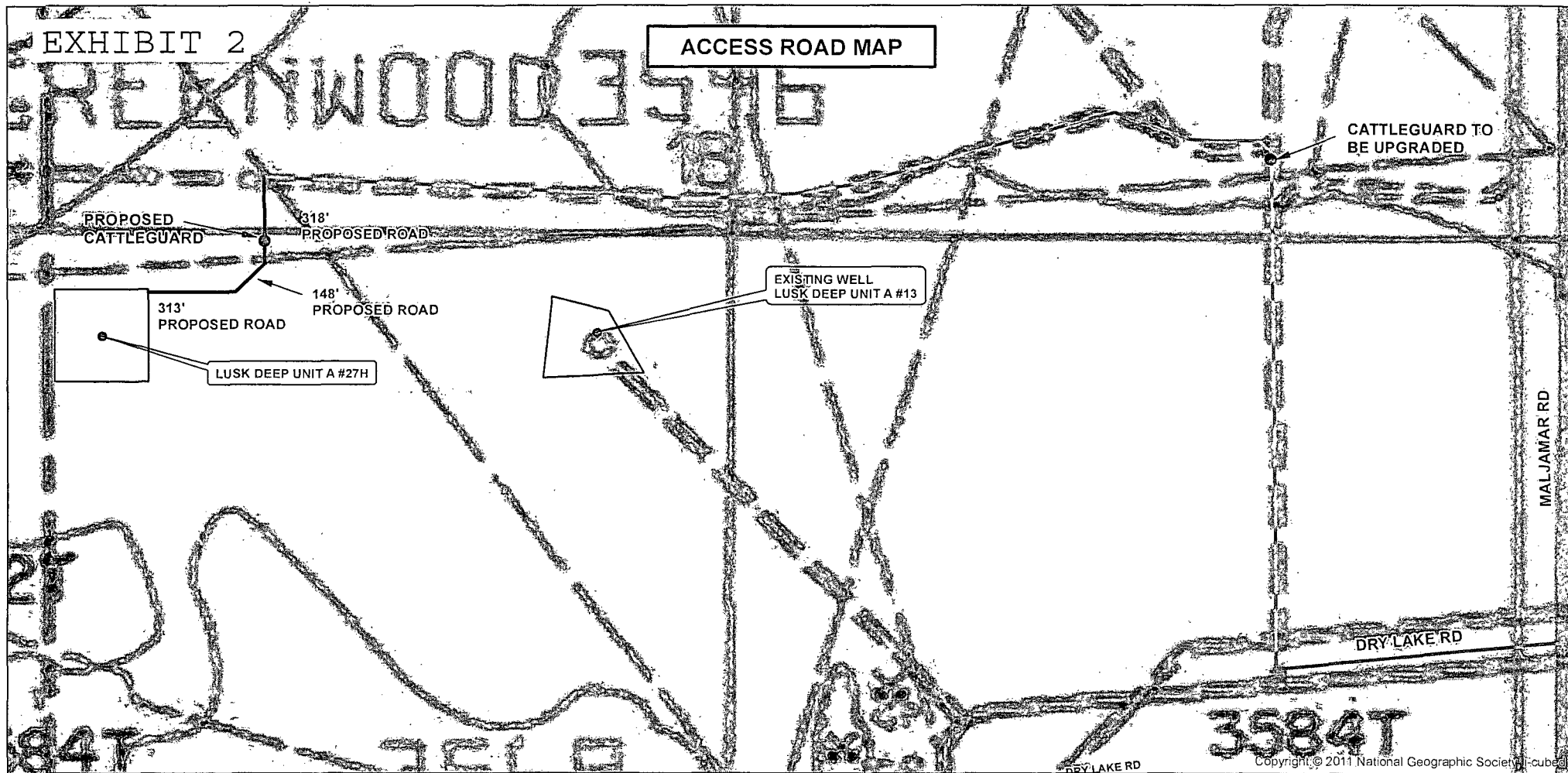


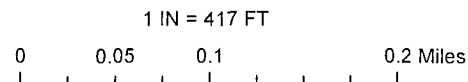
EXHIBIT 2

ACCESS ROAD MAP



SEC. 18, TWP. 19S, RGE. 32E
 SURVEY: N.M.P.M
 COUNTY: LEA STATE: NEW MEXICO
 DESCRIPTION: LUSK DEEP UNIT A #27H
 1980' FSL, 190' FWL

ELEVATION: 3584.6'
 OPERATOR: COG OPERATING LLC
 LEASE: LUSK DEEP UNIT
 W.O. # 13-514



- WELL
- WELL PAD
- MAIN ROAD
- PROPOSED ROAD

HARCROW SURVEYING, L.L.C.
 1107 WATSON, ARTESIA, NM 88210
 PH: (505) 513-2570 FAX: (505) 746-2158
 chad_harcrow77@yahoo.com



MAP DATE: 7/31/2013

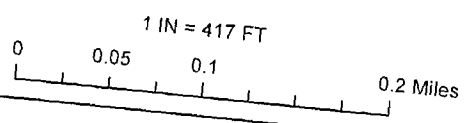
ACCESS ROAD MAP



SEC. 18, TWP. 19S, RGE. 32E
 SURVEY: N.M.P.M
 COUNTY: LEA STATE: NEW MEXICO
 DESCRIPTION: LUSK DEEP UNIT A #27H
 1980' FSL, 190' FWL

ELEVATION: 3584.6'
 OPERATOR: COG OPERATING LLC
 LEASE: LUSK DEEP UNIT

W.O. # 13-514



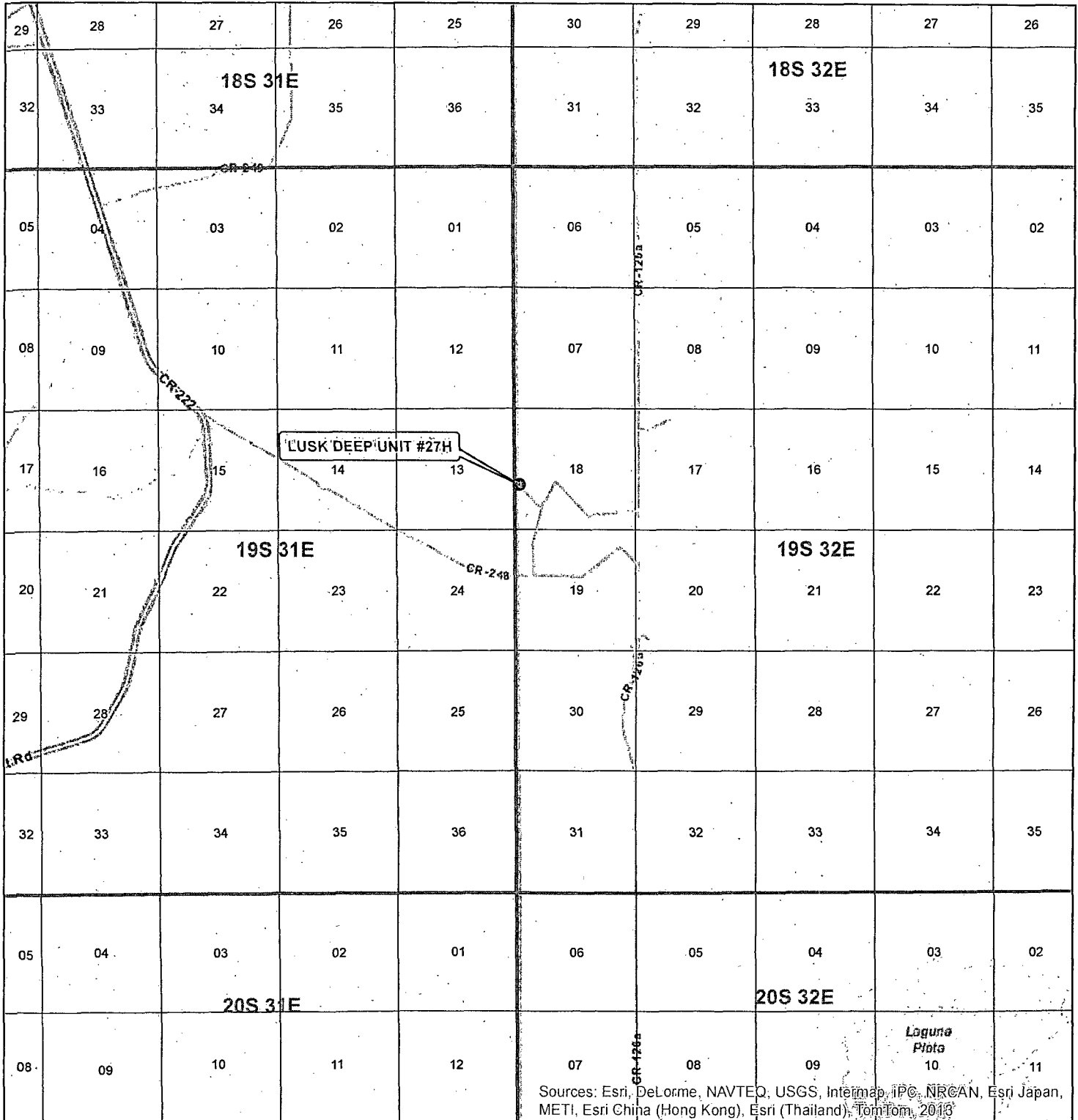
- WELL
- WELL PAD
- MAIN ROAD
- PROPOSED ROAD

HARCROW SURVEYING, LLC
 1107 WATSON, ARTISTIA N.M. 88210
 PH: (575) 513-2529 FAX: (575) 746-2155
 email: hrcrowe77@yahoo.com



MAP DATE: 7/31/2013

VICINITY MAP

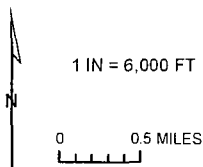


Sources: Esri, DeLorme, NAVTEQ, USGS, Intermap, iPC, NRCAN, Esri Japan, METI, Esri China (Hong Kong), Esri (Thailand), TomTom, 2013

SEC. 18, TWP. 19S, RGE. 32E
 SURVEY: N.M.P.M
 COUNTY: LEA STATE: NEW MEXICO
 DESCRIPTION: LUSK DEEP UNIT A #27H
 1980' FSL, 190' FWL

ELEVATION: 3584.6'
 OPERATOR: COG OPERATING LLC
 LEASE: LUSK DEEP UNIT

W.O. # 13-352

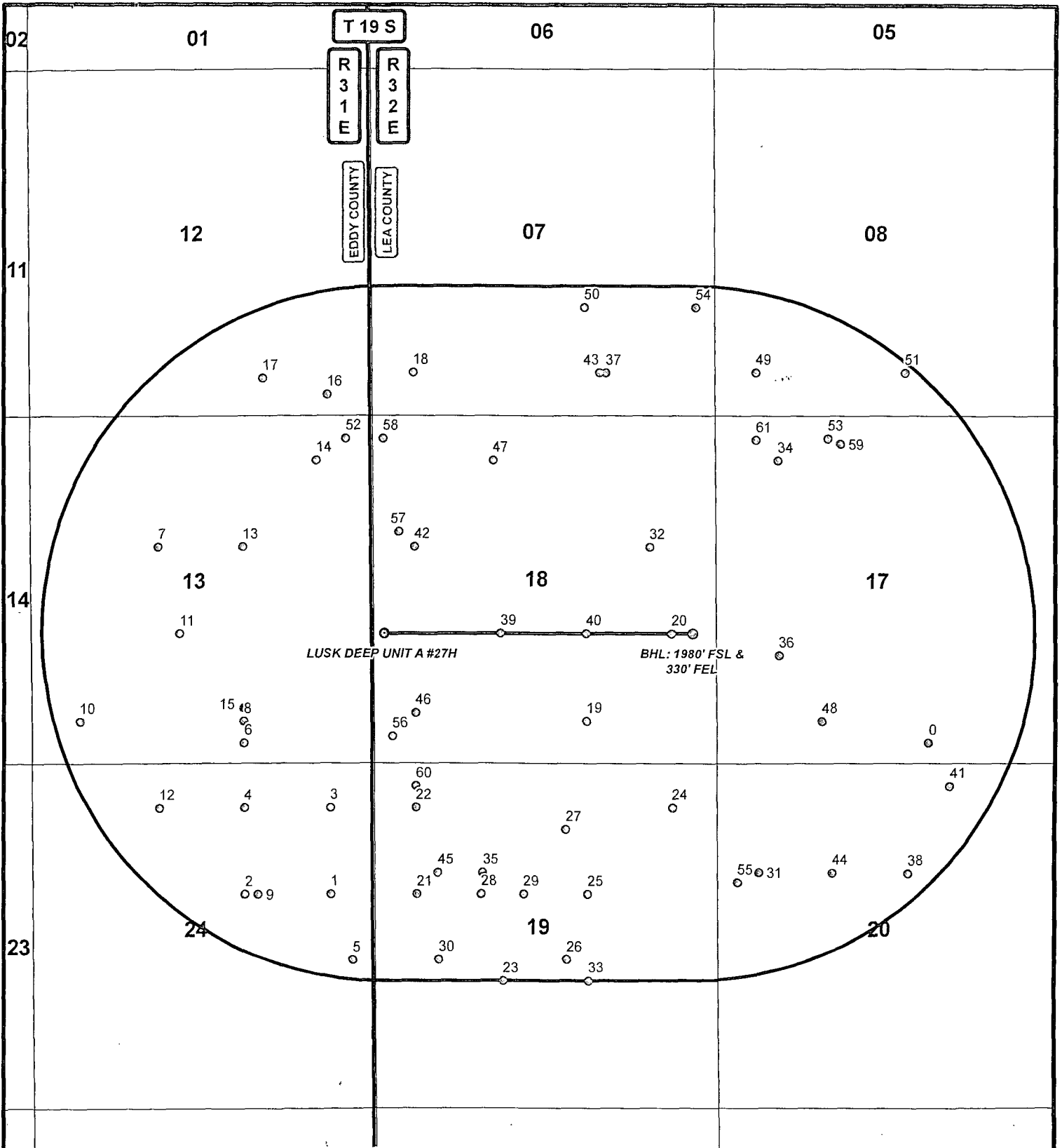


● WELL
 ■ TOWNSHIP
 □ SECTION

HARCROW SURVEYING, LLC
 1107 WATSON, ARTESIA N.M. 88210
 PH: (575) 513-2570 FAX: (575) 746-2158
 chad_harcrow77@yahoo.com



MAP DATE: 6/13/2013



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 #27H

SEC: 18 TWP: 19 S. RGE: 32 E. ELEVATION: 3584.6'

STATE: NEW MEXICO COUNTY: LEA 1980' FSL & 190' FWL

W.O. # 14-420 LEASE: LUSK DEEP UNIT A SURVEY: N.M.P.M

0 2,500 5,000 FEET

0 0.125 0.25 0.5 Miles 1 IN = 2,000 FT

1 MILE MAP

05/20/2014

S.P.

CONCHO
COG OPERATING, LLC

HARCROW SURVEYING, LLC.
2314 W. MAIN ST, ARTESIA, NM 88210
PH: (575) 513-2570 FAX: (575) 746-2158
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	COG OPERATING LLC	STEALTH FEDERAL COM 002	32.654103	-103.786252	3002539485	17	19.0S	32E	330 S		1980 E			0 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 005	32.651463	-103.816358	3001505788	24	19.0S	31E	660 N		660 E		0	Plugged
4	MACK ENERGY CORP	OHIO JONES FED 006	32.651458	-103.820667	3001505789	24	19.0S	31E	660 N		1980 E		0	Plugged
5	PLAINS PROD CO	JONES 007	32.645108	-103.815256	3001505790	24	19.0S	31E	2310 S		330 E		0	Plugged
6	H N SWEENEY	MALONE FED 001	32.654179	-103.820678	3001510119	13	19.0S	31E	330 S		1980 E		0	Plugged
7	MC FARLAND CORP	MALONE FED A 001	32.662345	-103.824959	3001510136	13	19.0S	31E	1980 N		1980 W		0	Plugged
8	PHILLIPS PETROLEUM CO	SIMON A 001	32.655086	-103.820682	3001510357	13	19.0S	31E	660 S		1980 E		0	Plugged
9	FINA OIL & CHEMICAL	JONES G FED COM 001	32.64783	-103.82	3001510393	24	19.0S	31E	1980 N		1780 E		0	Plugged
10	LYNX PETROLEUM CONSULTANTS INC	SWEENEY FEDERAL COM 001	32.655075	-103.828915	3001510397	13	19.0S	31E	660 S		760 W		0	Plugged
11	LYNX PETROLEUM CONSULTANTS INC	HJ FEDERAL 001	32.65871	-103.823868	3001523781	13	19.0S	31E	1980 S		2310 W		12697	Active
12	DEVON ENERGY PRODUCTION COMPANY, LP	RADAR 24 FEDERAL 001	32.651452	-103.82492	3001531357	24	19.0S	31E	660 N		1980 W		12750	Active
13	MARBOB ENERGY CORP	TRAPPER 13 STATE COM 001	32.66235	-103.82071	3001531362	13	19.0S	31E	1980 N		1980 E		12722	Plugged
14	COG OPERATING LLC	TRAPPER 13 FEDERAL COM 002	32.665983	-103.817001	3001531568	13	19.0S	31E	660 N		840 E		12875	Active
15	COG OPERATING LLC	MARGARET 13 FEDERAL 001	32.655635	-103.820684	3001531730	13	19.0S	31E	860 S		1980 E		12725	Active
16	COG OPERATING LLC	MALIBU FEDERAL 001	32.668704	-103.816425	3001534784	12	19.0S	31E	330 S		660 E		10875	Active
17	APACHE CORP	APACHE FEDERAL 003C	32.669388	-103.81966	3001535754	12	19.0S	31E	580 S		1650 E		0	New (Not drilled or compl)
18	DEVON ENERGY PRODUCTION COMPANY, LP	HAWKEYE 7 FEDERAL 001	32.669607	-103.812118	3002500892	7	19.0S	32E	660 S		660 W		11840	Active
19	EL PASO NATURAL GAS	LUSK DEEP UNIT 002	32.655057	-103.803432	3002500900	18	19.0S	32E	660 S		1980 E		13974	Plugged
20	P B ENGLISH	MILLER 001	32.658669	-103.799132	3002500901	18	19.0S	32E	1980 S		660 E		4016	Plugged
21	TANDEM ENERGY CORPORATION	MILLER FEDERAL 001	32.64783	-103.812035	3002500902	19	19.0S	32E	1980 N		660 W		2634	Active
22	CARPER DRILLING CO	MILLER 001	32.651458	-103.812049	3002500903	19	19.0S	32E	660 N		660 W		2710	Plugged
23	CARPER DRILLING CO	MILLER 002	32.644182	-103.807712	3002500904	19	19.0S	32E	1980 S		1980 W		2862	Plugged
24	COG OPERATING LLC	LUSK DEEP UNIT A 001	32.651413	-103.799113	3002500905	19	19.0S	32E	660 N		660 E		12453	Active
25	TOM R CONE	SOUTHERN CALIFORNIA PET FEDERAL 001	32.6478	-103.803413	3002500906	19	19.0S	32E	1980 N		1980 E		2715	Active
26	KELLY G STOUT	SOUTHERN CALIFORNIA 002	32.645079	-103.804484	3002500907	19	19.0S	32E	2310 S		2310 E		2552	Plugged
27	KELLY G STOUT	SOUTHERN CALIFORNIA 003	32.650526	-103.804497	3002500908	19	19.0S	32E	990 N		2310 E		2695	Plugged
28	TOM R CONE	GULF FEDERAL 001	32.647819	-103.808803	3002500909	19	19.0S	32E	1980 N		1650 W		2490	Active
29	TOM R CONE	GULF FEDERAL 002	32.647812	-103.806648	3002500910	19	19.0S	32E	1980 N		2310 W		2500	Active
30	SIMMS & REESE OIL CO	GULF 001	32.645099	-103.810947	3002500911	19	19.0S	32E	2310 S		990 W		2640	Plugged
31	EL PASO NATURAL GAS	LUSK DEEP UNIT 003	32.648679	-103.794797	3002500913	20	19.0S	32E	1650 N		660 W		12621	Plugged
32	SHELL OIL CO	MIDDELTON A FEDERAL 001	32.662309	-103.800219	3002508104	18	19.0S	32E	1980 N		990 E		12505	Plugged
33	COG OPERATING LLC	LUSK DEEP UNIT A 005	32.644168	-103.803404	3002520122	19	19.0S	32E	1980 S		1980 E		12554	Active
34	EL PASO NATURAL GAS	LUSK DEEP UNIT 009	32.665919	-103.793764	3002520875	17	19.0S	32E	660 N		990 W		11510	Plugged
35	TOM R CONE	GULF FEDERAL 003	32.648726	-103.808715	3002520876	19	19.0S	32E	1650 N		1678 W		11223	Active
36	EL PASO NATURAL GAS	LUSK DEEP UNIT 011	32.657747	-103.793743	3002521042	17	19.0S	32E	1650 S		990 W		11470	Plugged
37	COQUINA OIL CORP	LLANO B FEDERAL 001	32.669573	-103.802392	3002521677	7	19.0S	32E	660 S		1650 E		2370	Plugged
38	SHACKELFORD OIL CO	LUSK WEST DELAWARE UNIT 007	32.648635	-103.78728	3002524869	20	19.0S	32E	1660 N		2300 E		12759	Active
39	COG OPERATING LLC	LUSK DEEP UNIT A 013	32.658701	-103.807766	3002524974	18	19.0S	32E	1980 S		1980 W		12520	Active
40	FRED POOL DRLG INC	LUSK FEDERAL 001	32.658685	-103.803442	3002530500	18	19.0S	32E	1980 S		1980 E		2820	Plugged
41	CIMAREX ENERGY CO. OF COLORADO	LUSK WEST DELAWARE UNIT 002	32.652286	-103.785188	3002530523	20	19.0S	32E	330 N		1656 E		7220	Plugged
42	MARBOB ENERGY CORP	CRAZY HORSE 18 FEDERAL 001	32.66235	-103.81209	3002531639	18	19.0S	32E	1980 N		660 W		12650	Plugged
43	SHACKELFORD OIL CO	MITCHELL FEDERAL 001	32.669574	-103.802719	3002532610	7	19.0S	32E	660 S		1750 E		2912	Plugged
44	SHACKELFORD OIL CO	LUSK WEST DELAWARE UNIT 006	32.648671	-103.791076	3002534032	20	19.0S	32E	1650 N		1800 W		7165	Active
45	COG OPERATING LLC	LUSK DEEP UNIT A 014	32.648734	-103.810961	3002534573	19	19.0S	32E	1650 N		990 W		12540	Active
46	COG OPERATING LLC	LUSK DEEP UNIT A 016	32.65543	-103.812064	3002535053	18	19.0S	32E	785 S		660 W		12780	Active
47	COG OPERATING LLC	CRAZY HORSE 18 FEDERAL 003	32.665964	-103.808121	3002535087	18	19.0S	32E	660 N		1880 W		12640	Active
48	COG OPERATING LLC	LUSK DEEP UNIT A 019	32.655021	-103.791581	3002535244	17	19.0S	32E	660 S		1650 W		12754	Active
49	RAY WESTALL OPERATING, INC.	WBP FEDERAL 001	32.66955	-103.794849	3002535296	8	19.0S	32E	660 S		660 W		12710	Active
50	DEVON ENERGY PRODUCTION COMPANY, LP	HAWKEYE 7 FEDERAL 002	32.672298	-103.803476	3002535661	7	19.0S	32E	1650 S		1980 E		12580	Active
51	COG OPERATING LLC	KING AIR FEDERAL 003	32.669533	-103.787368	3002539051	8	19.0S	32E	660 S		2310 E		0	Active
52	COG OPERATING LLC	LIBERATOR FEDERAL COM 001H	32.666891	-103.815503	3001537185	13	19.0S	31E	330 N		380 E		13680	New (Not drilled or compl)
53	COG OPERATING LLC	LUSK DEEP UNIT A 022H	32.66682	-103.791219	3002540705	17	19.0S	32E	330 N		1770 W		13670	New (Not drilled or compl)
54	DEVON ENERGY PRODUCTION COMPANY, LP	TAYLOR DRAW 7 FEDERA 001H	32.672279	-103.797859	3002541146	7	19.0S	32E	1650 S		260 E		0	New (Not drilled or compl)
55	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)
56	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)
57	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)

58 COG OPERATING LLC	CRAZY HORSE FEDERAL 001H	32.666891	-103.813642	3002541389	18 19.0S	32E	330 N	190 W	99 New (Not drilled or compl)
59 COG OPERATING LLC	KING AIR 8 FEDERAL COM 003H	32.666599	-103.790598	3002541476	17 19.0S	32E	410 N	1960 W	0 New (Not drilled or compl)
60 COG OPERATING LLC	LUSK DEEP UNIT A 024H	32.652365	-103.812052	3002540863	19 19.0S	32E	330 N	660 W	13660 Active
61 COG OPERATING LLC	LUSK DEEP UNIT A 029H	32.66676	-103.794843	3002541563	17 19.0S	32E	355 N	660 W	0 New (Not drilled or compl)