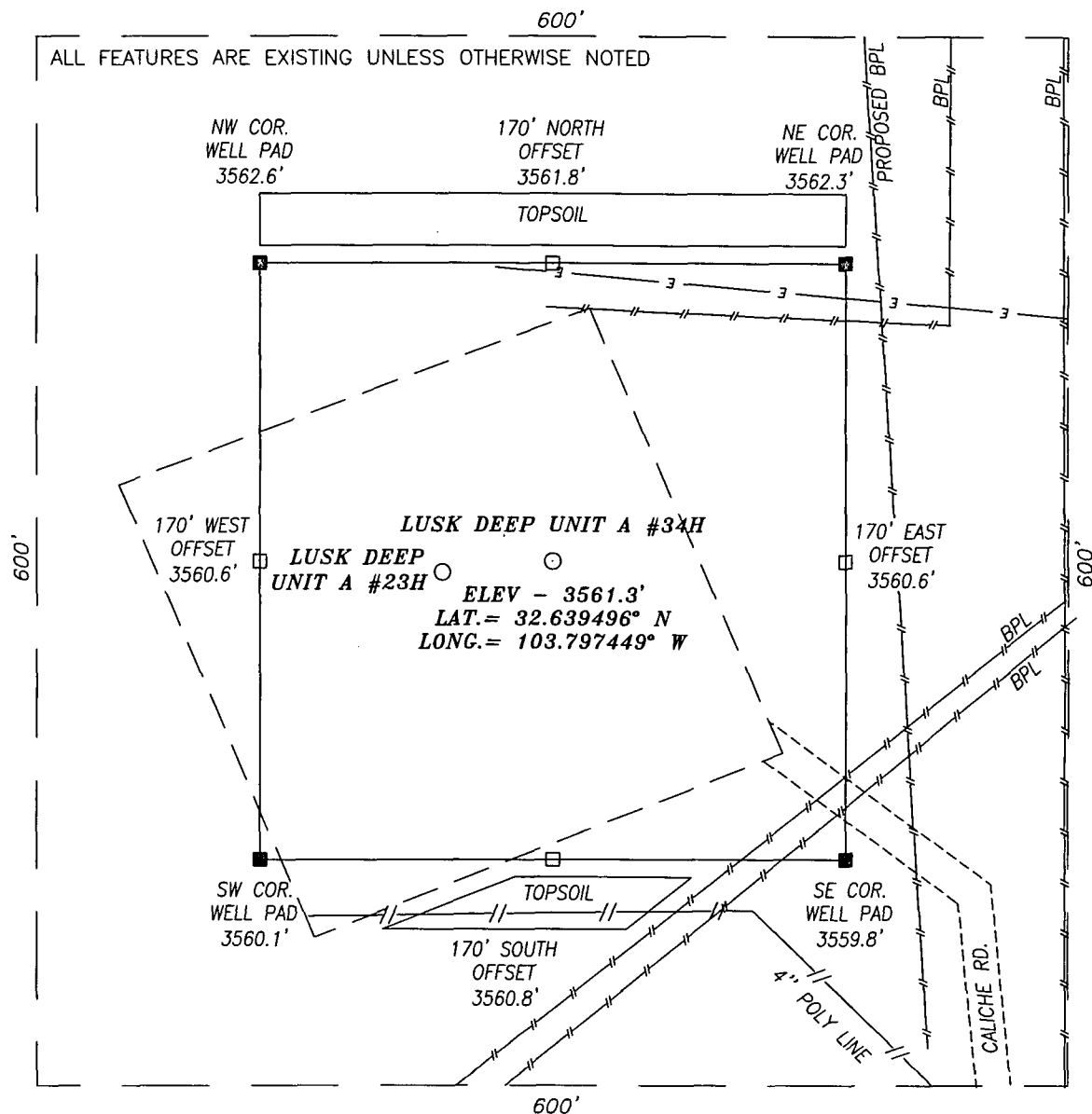


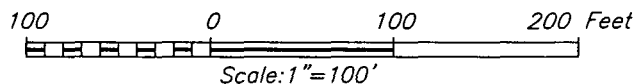
APR 22 2015

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 MILES SOUTH ALONG CR #126A; THEN TURN RIGHT (NORTHWEST) AND GO APPROX. 210 FEET; THEN TURN RIGHT (NORTH) AND FOLLOW RD FOR APPROX. 0.3 MILES TO EXISTING LUSK DEEP UNIT A #23H WELL PAD; PROPOSED WELL IS APPROX. 64' EAST OF #23H.



HARCROW SURVEYING, LLC

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

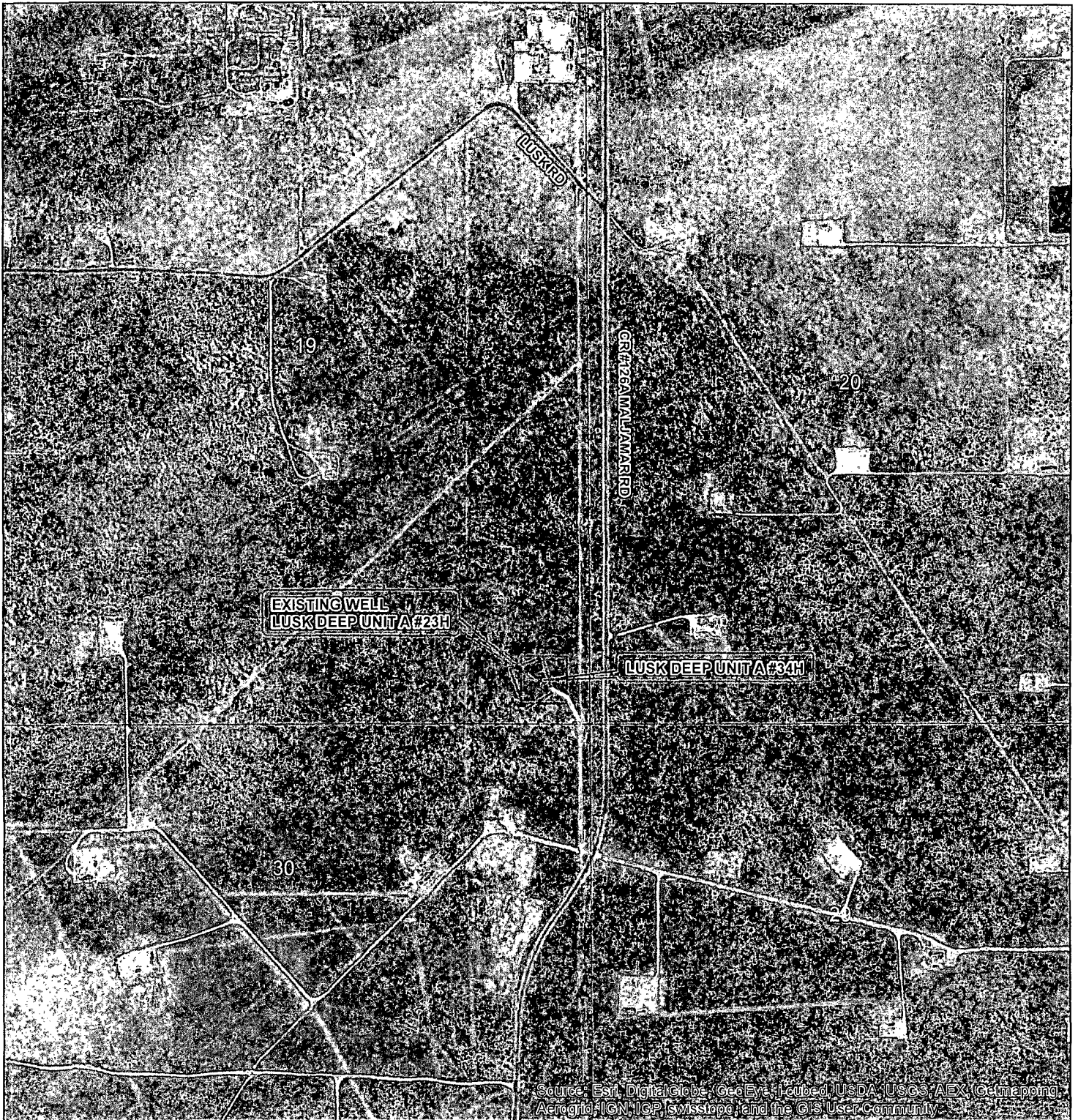


COG OPERATING, LLC

LUSK DEEP UNIT A #34H WELL
LOCATED 330 FEET FROM THE SOUTH LINE
AND 310 FEET FROM THE EAST 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: 13-356

LOCATION VERIFICATION MAP

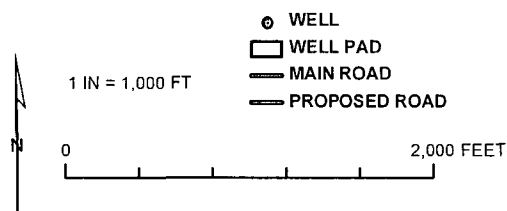


Source: Esri, DigitalGlobe, GeoEye, i-cubed, USDA, USGS, AEX, GeoMapping, AeroGRID, IGN, IGP, Swisstopo, and the GIS User Community

SEC. 19, TWP. 19S, RGE. 32E
 SURVEY: N.M.P.M
 COUNTY: LEA STATE: NEW MEXICO
 DESCRIPTION: LUSK DEEP UNIT A #34H
 330' FSL, 310' FEL

ELEVATION: 3561.3'
 OPERATOR: COG OPERATING LLC
 LEASE: LUSK DEEP UNIT

W.O. # 13-356

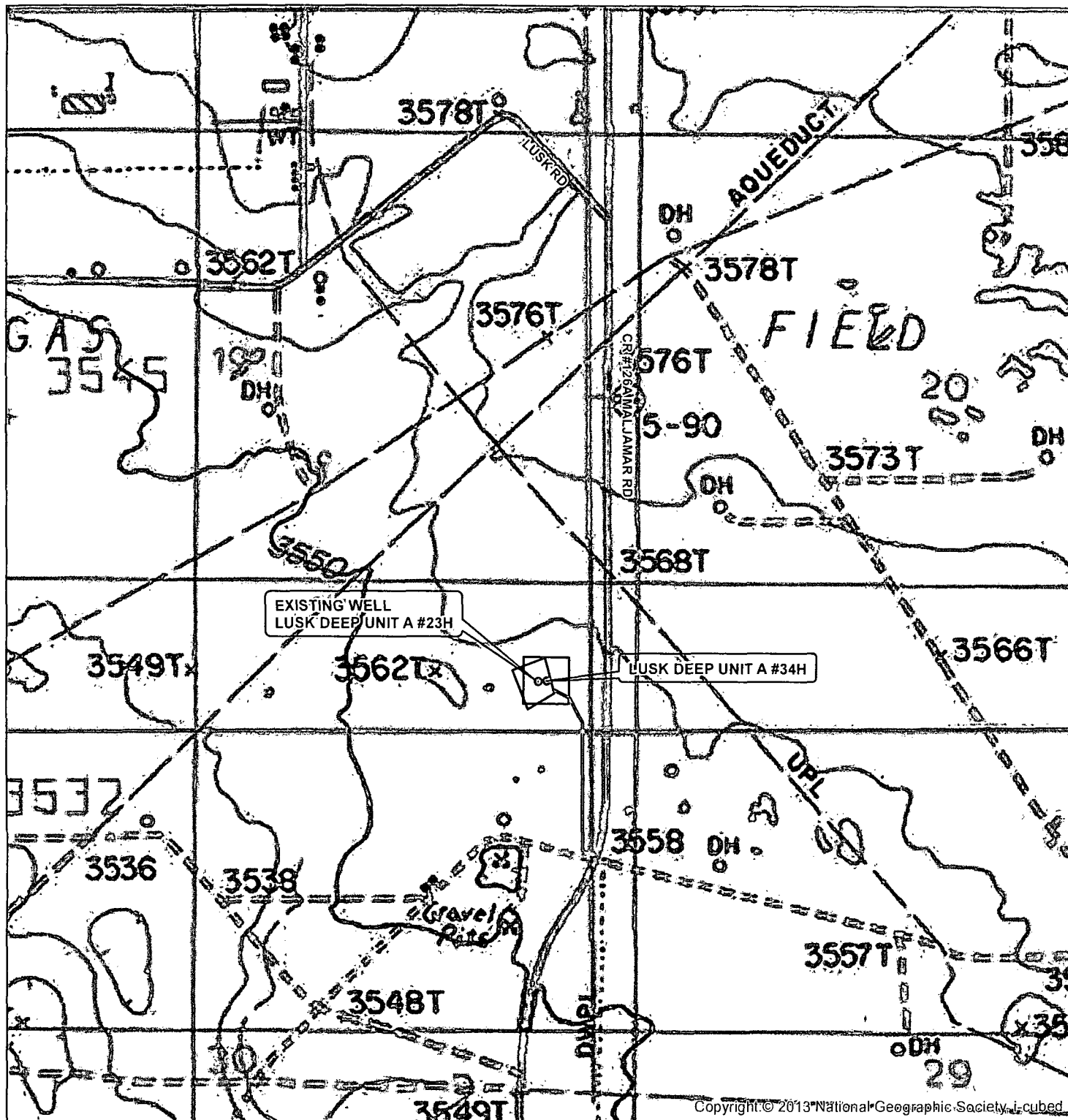


HARCROW SURVEYING, LLC
 1107 WATSON, ARTESIA N.M. 88210
 PH: (575) 513-2570 FAX: (575) 746-2158
 chad_harcrow77@yahoo.com



EXHIBIT 2

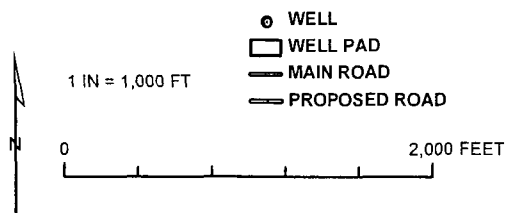
LOCATION VERIFICATION MAP



SEC. 19, TWP. 19S, RGE. 32E
 SURVEY: N.M.P.M
 COUNTY: LEA STATE: NEW MEXICO
 DESCRIPTION: LUSK DEEP UNIT A #34H
 330' FSL, 310' FEL

ELEVATION: 3561.3'
 OPERATOR: COG OPERATING LLC
 LEASE: LUSK DEEP UNIT

W.O. # 13-356

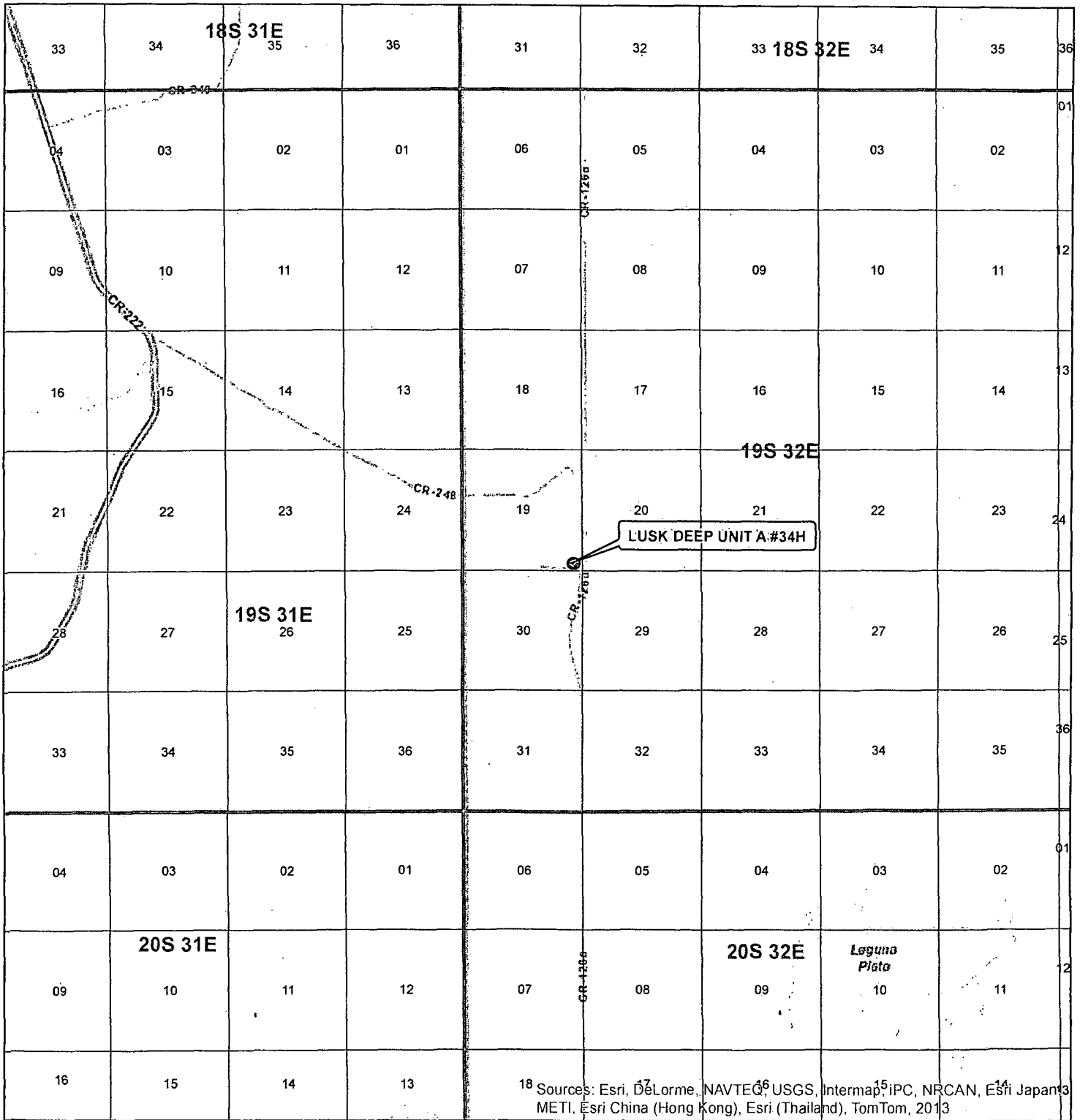


HARCROW SURVEYING, LLC
 1107 WATSON, ARTESIA N.M. 88210
 PH: (575) 513-2570 FAX: (575) 746-2158
 chad_harcrow77@yahoo.com



MAP DATE: 6/25/2013

VICINITY MAP



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

SEC. 19, TWP. 19S, RGE. 32E
 SURVEY: N.M.P.M
 COUNTY: LEA STATE: NEW MEXICO
 DESCRIPTION: LUSK DEEP UNIT A #34H
 330' FSL, 310' FEL

ELEVATION: 3561.3'
 OPERATOR: COG OPERATING LLC
 LEASE: LUSK DEEP UNIT

W.O. # 13-356



1 IN = 6,000 FT

0 0.5 MILES

WELL

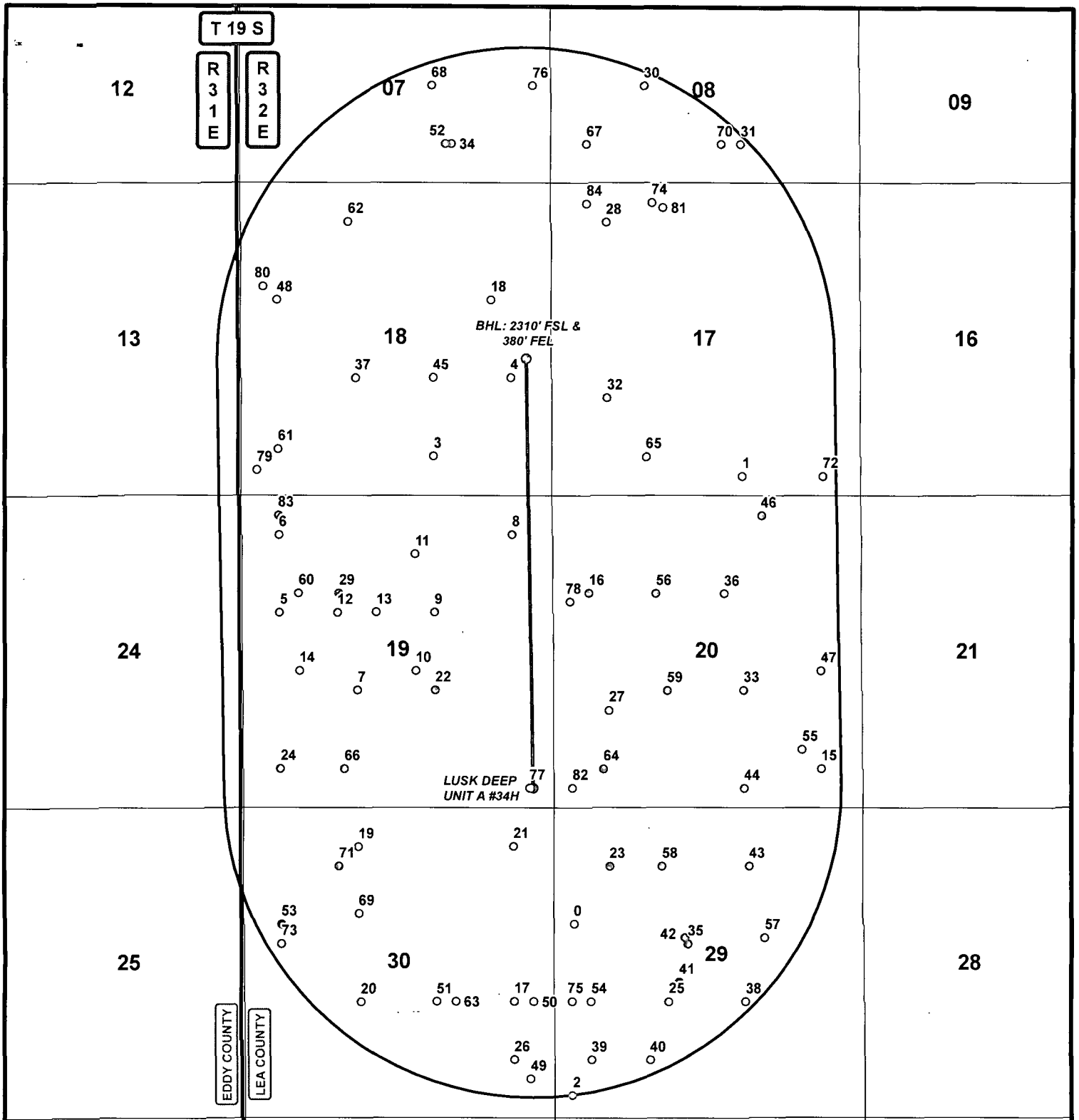
TOWNSHIP

SECTION

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



DATE: 08/08/2013



DATA FOR "WELLS WITHIN 1 MI." IS TAKEN FROM THE NEW MEXICO EMNRD WEBSITE. THE DATA HAS BEEN UPDATED THROUGH AUGUST 12, 2014.

LEGEND

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

LUSK-DEEP UNIT A #34H

SEC: 19 TWP: 19 S. RGE: 32 E. ELEVATION: 3561.3'

STATE: NEW MEXICO COUNTY: LEA 330' FSL & 310' FEL

W.O. # 14-919 LEASE: LUSK DEEP UNIT A SURVEY: N.M.P.M

0 2,500 5,000 FEET

0 0.15 0.3 0.6 Miles

1 IN = 2,250 FT

1 MILE MAP

09/19/2014

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	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	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)
2	CIMAREX ENERGY CO. OF COLORADO	SOUTHERN CALIFORNIA 29 FEDERAL 015	32.62522	-103.795838	3002539634	29	19.0S	32E	375 S		330 W		9321	New (Not drilled or compl)
3	EL PASO NATURAL GAS	LUSK DEEP UNIT 002	32.655057	-103.803432	3002500900	18	19.0S	32E	660 S		1980 E		13974	Plugged
4	P B ENGLISH	MILLER 001	32.658669	-103.799132	3002500901	18	19.0S	32E	1980 S		660 E		4016	Plugged
5	TANDEM ENERGY CORPORATION	MILLER FEDERAL 001	32.64783	-103.812035	3002500902	19	19.0S	32E	1980 N		660 W		2634	Active
6	CARPER DRILLING CO	MILLER 001	32.651458	-103.812049	3002500903	19	19.0S	32E	660 N		660 W		2710	Plugged
7	CARPER DRILLING CO	MILLER 002	32.644182	-103.807712	3002500904	19	19.0S	32E	1980 S		1980 W		2862	Plugged
8	COG OPERATING LLC	LUSK DEEP UNIT A 001	32.651413	-103.799113	3002500905	19	19.0S	32E	660 N		660 E		12453	Active
9	TOM R CONE	SOUTHERN CALIFORNIA PET FEDERAL 001	32.6478	-103.803413	3002500906	19	19.0S	32E	1980 N		1980 E		2715	Active
10	KELLY G STOUT	SOUTHERN CALIFORNIA 002	32.645079	-103.804484	3002500907	19	19.0S	32E	2310 S		2310 E		2552	Plugged
11	KELLY G STOUT	SOUTHERN CALIFORNIA 003	32.650526	-103.804497	3002500908	19	19.0S	32E	990 N		2310 E		2695	Plugged
12	TOM R CONE	GULF FEDERAL 001	32.647819	-103.808803	3002500909	19	19.0S	32E	1980 N		1650 W		2490	Active
13	TOM R CONE	GULF FEDERAL 002	32.647812	-103.806648	3002500910	19	19.0S	32E	1980 N		2310 W		2500	Active
14	SIMMS & REESE OIL CO	GULF 001	32.645099	-103.810947	3002500911	19	19.0S	32E	2310 S		990 W		2640	Plugged
15	CULBERTSON, JR WIN &	LYNCH 004	32.640481	-103.781902	3002500912	20	19.0S	32E	660 S		660 E		2820	Plugged
16	EL PASO NATURAL GAS	LUSK DEEP UNIT 003	32.648679	-103.794797	3002500913	20	19.0S	32E	1650 N		660 W		12621	Plugged
17	PAUL E HASKINS	SHELL FEDERAL 001	32.629642	-103.799073	3002500927	30	19.0S	32E	1980 S		660 E		2768	Plugged
18	SHELL OIL CO	MIDDELTON A FEDERAL 001	32.662309	-103.800219	3002508104	18	19.0S	32E	1980 N		990 E		12505	Plugged
19	CHISOS, LTD	DELHI FEDERAL 001	32.636925	-103.807685	3002520025	30	19.0S	32E	660 N		1980 W		11286	Active
20	OXY USA INC	ELLIOTT HALL B 002	32.629667	-103.807602	3002520035	30	19.0S	32E	1980 S		1997 W		11325	Plugged
21	OXY USA INC	ELLIOTT HALL A 001	32.636897	-103.79908	3002520104	30	19.0S	32E	660 N		660 E		12475	Active
22	COG OPERATING LLC	LUSK DEEP UNIT A 005	32.644168	-103.803404	3002520122	19	19.0S	32E	1980 S		1980 E		12554	Active
23	EL PASO NATURAL GAS	SOUTHERN CALIFORNIA 002	32.635975	-103.793694	3002520156	29	19.0S	32E	990 N		990 W		11407	Plugged
24	EL PASO NATURAL GAS	LUSK DEEP UNIT 006	32.640567	-103.812007	3002520247	19	19.0S	32E	660 S		660 W		11432	Plugged
25	TEXACO EXPLORATION & PRODUCTION INC	SOUTHERN CALIFORNIA 003	32.629617	-103.790457	3002520359	29	19.0S	32E	1980 S		1980 W		11420	Plugged
26	COG OPERATING LLC	FEDERAL USA J 001	32.626921	-103.799071	3002520367	30	19.0S	32E	990 S		660 E		11296	Active
27	SHACKELFORD OIL CO	LUSK WEST DELAWARE UNIT 012	32.643232	-103.793707	3002520874	20	19.0S	32E	1650 S		990 W		11467	Active
28	EL PASO NATURAL GAS	LUSK DEEP UNIT 009	32.665919	-103.793764	3002520875	17	19.0S	32E	660 N		990 W		11510	Plugged
29	TOM R CONE	GULF FEDERAL 003	32.648726	-103.808715	3002520876	19	19.0S	32E	1650 N		1678 W		11223	Active
30	TENNECO OIL CO	TRIGG FEDERAL 001	32.672264	-103.791622	3002520916	8	19.0S	32E	1650 S		1650 W		12800	Plugged
31	TENNECO OIL CO	TRIGG FEDERAL B 001	32.66953	-103.786291	3002520917	8	19.0S	32E	660 S		1980 E		11887	Plugged
32	EL PASO NATURAL GAS	LUSK DEEP UNIT 011	32.657747	-103.793743	3002521042	17	19.0S	32E	1650 S		990 W		11470	Plugged
33	SHACKELFORD OIL CO	LUSK WEST DELAWARE UNIT 010	32.64412	-103.786222	3002521488	20	19.0S	32E	1980 S		1980 E		11550	Active
34	COQUINA OIL CORP	LLANO B FEDERAL 001	32.669573	-103.802392	3002521677	7	19.0S	32E	660 S		1650 E		2370	Plugged
35	KINCAID & WATSON DRILLING CO	BOWMAN 001	32.632336	-103.789382	3002522280	29	19.0S	32E	2310 N		2310 W		2746	Plugged
36	SHACKELFORD OIL CO	LUSK WEST DELAWARE UNIT 007	32.648635	-103.78728	3002524869	20	19.0S	32E	1660 N		2300 E		12759	Active
37	COG OPERATING LLC	LUSK DEEP UNIT A 013	32.658701	-103.807766	3002524974	18	19.0S	32E	1980 S		1980 W		12520	Active
38	CIMAREX ENERGY CO. OF COLORADO	LUSK WEST DELAWARE UNIT 910	32.629604	-103.78617	3002530093	29	19.0S	32E	1980 S		1980 E		7200	Plugged
39	SHACKELFORD OIL CO	LUSK WEST DELAWARE UNIT 913	32.626908	-103.794763	3002530094	29	19.0S	32E	990 S		660 W		7200	Active
40	CIMAREX ENERGY CO. OF COLORADO	LUSK WEST DELAWARE UNIT 914	32.626898	-103.791502	3002530164	29	19.0S	32E	990 S		1659 W		6850	Plugged
41	SHACKELFORD OIL CO	LUSK WEST DELAWARE UNIT 911	32.630522	-103.78987	3002530165	29	19.0S	32E	2310 S		2160 W		6850	Active
42	SHACKELFORD OIL CO	SOUTHERN CALIFORNIA FEDERAL 007	32.632611	-103.789546	3002530328	29	19.0S	32E	2210 N		2260 W		7204	Active
43	SHACKELFORD OIL CO	LUSK WEST DELAWARE UNIT 902	32.635955	-103.785933	3002530329	29	19.0S	32E	990 N		1900 E		7200	Active
44	SHACKELFORD OIL CO	LUSK DEEP UNIT A 014	32.639584	-103.786208	3002530490	20	19.0S	32E	330 S		1980 E		7200	TA
45	FRED POOL DR LG INC	LUSK FEDERAL 001	32.658685	-103.803442	3002530500	18	19.0S	32E	1980 S		1980 E		2820	Plugged
46	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
47	CIMAREX ENERGY CO. OF COLORADO	LUSK WEST DELAWARE UNIT 009	32.645016	-103.781915	3002530524	20	19.0S	32E	2310 S		660 E		7230	Plugged
48	MARBOB ENERGY CORP	CRAZY HORSE 18 FEDERAL 001	32.66235	-103.81209	3002531639	18	19.0S	32E	1980 N		660 W		12650	Plugged
49	COG OPERATING LLC	FEDERAL USA J 002	32.626011	-103.798173	3002532051	30	19.0S	32E	660 S		385 E		7229	Active
50	COG OPERATING LLC	FEDERAL USA J 003	32.629639	-103.797996	3002532447	30	19.0S	32E	1980 S		330 E		7200	Active
51	COG OPERATING LLC	FEDERAL USA J 004	32.629655	-103.803382	3002532448	30	19.0S	32E	1980 S		1980 E		7200	Active
52	SHACKELFORD OIL CO	MITCHELL FEDERAL 001	32.669574	-103.802719	3002532610	7	19.0S	32E	660 S		1750 E		2912	Plugged
53	OXY USA INC	GECKO FEDERAL 001	32.63331	-103.811979	3002532678	30	19.0S	32E	1980 N		660 W		7280	Plugged
54	SHACKELFORD OIL CO	LUSK WEST DELAWARE UNIT 912	32.629629	-103.794765	3002533461	29	19.0S	32E	1980 S		660 W		7210	Active
55	CIMAREX ENERGY CO. OF COLORADO	LUSK WEST DELAWARE UNIT 016	32.64139	-103.782982	3002534031	20	19.0S	32E	990 S		990 E		6600	Plugged
56	SHACKELFORD OIL CO	LUSK WEST DELAWARE UNIT 006	32.648671	-103.791076	3002534032	20	19.0S	32E	1650 N		1800 W		7165	Active
57	CIMAREX ENERGY CO. OF COLORADO	LUSK WEST DELAWARE UNIT 907	32.632628	-103.785105	3002534132	29	19.0S	32E	2200 N		1650 E		6630	Plugged

58 CIMAREX ENERGY CO. OF COLORADO	LUSK WEST DELAWARE UNIT 903	32.635968	-103.790789	3002534172	29 19.0S	32E	990 N	1880 W	6635 Plugged
59 CIMAREX ENERGY CO. OF COLORADO	LUSK WEST DELAWARE UNIT 011	32.644131	-103.790477	3002534173	20 19.0S	32E	1980 S	1980 W	6630 Plugged
60 COG OPERATING LLC	LUSK DEEP UNIT A 014	32.648734	-103.810961	3002534573	19 19.0S	32E	1650 N	990 W	12540 Active
61 COG OPERATING LLC	LUSK DEEP UNIT A 016	32.65543	-103.812064	3002535053	18 19.0S	32E	785 S	660 W	12780 Active
62 COG OPERATING LLC	CRAZY HORSE 18 FEDERAL 003	32.665964	-103.808121	3002535087	18 19.0S	32E	660 N	1880 W	12640 Active
63 COG OPERATING LLC	SL DEEP FEDERAL COM 001	32.629652	-103.802305	3002535088	30 19.0S	32E	1980 S	1650 E	12474 Active
64 COG OPERATING LLC	LUSK DEEP UNIT A 017	32.640511	-103.794026	3002535095	20 19.0S	32E	660 S	890 W	12750 Active
65 COG OPERATING LLC	LUSK DEEP UNIT A 019	32.655021	-103.791581	3002535244	17 19.0S	32E	660 S	1650 W	12754 Active
66 COG OPERATING LLC	LUSK DEEP UNIT A 021	32.640556	-103.808449	3002535291	19 19.0S	32E	660 S	1750 W	12718 Active
67 RAY WESTALL OPERATING, INC.	WBP FEDERAL 001	32.66955	-103.794849	3002535296	8 19.0S	32E	660 S	660 W	12710 Active
68 DEVON ENERGY PRODUCTION COMPANY, LP	HAWKEYE 7 FEDERAL 002	32.672298	-103.803476	3002535661	7 19.0S	32E	1650 S	1980 E	12580 Active
69 COG OPERATING LLC	SL DEEP FEDERAL 002	32.633792	-103.807673	3002536257	30 19.0S	32E	1800 N	1980 W	12640 Active
70 COG OPERATING LLC	KING AIR FEDERAL 003	32.669533	-103.787368	3002539051	8 19.0S	32E	660 S	2310 E	0 Active
71 COG OPERATING LLC	SL DEEP FEDERAL 003	32.636022	-103.808759	3002539441	30 19.0S	32E	990 N	1650 W	9580 Active
72 COG OPERATING LLC	STEALTH FEDERAL COM 001H	32.654093	-103.781746	3002539484	17 19.0S	32E	330 S	600 E	12968 Active
73 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)
74 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)
75 CIMAREX ENERGY CO. OF COLORADO	SOUTHERN CALIFORNIA 29 FEDERAL 017	32.629632	-103.795842	3002539888	29 19.0S	32E	1980 S	330 W	9294 New (Not drilled or compl)
76 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)
77 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)
78 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)
79 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)
80 COG OPERATING LLC	CRAZY HORSE FEDERAL COM 002H	32.662985	-103.812876	3002541390	18 19.0S	32E	1750 N	420 W	9185 New (Not drilled or compl)
81 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)
82 COG OPERATING LLC	LUSK DEEP UNIT A 030H	32.639608	-103.795754	3002541513	20 19.0S	32E	330 S	360 W	9332 New (Not drilled or compl)
83 COG OPERATING LLC	LUSK DEEP UNIT A 024H	32.652365	-103.812052	3002540863	19 19.0S	32E	330 N	660 W	13660 Active
84 COG OPERATING LLC	LUSK DEEP UNIT A 029H	32.666676	-103.794843	3002541563	17 19.0S	32E	355 N	660 W	0 New (Not drilled or compl)