

APR 20 2015

DISTRICT I
1025 N. FRENCH DR., HOBBS, NM 88240
Phone: (575) 393-8161 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 RD., 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, New Mexico 87505

RECEIVED

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

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025- 42524	Pool Code 41440	Pool Name Lusk; Bone Spring
Property Code 38641	Property Name SL EAST 30 FEDERAL COM	Well Number 2H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3561.7'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	19	19-S	32-E		520	SOUTH	530	EAST	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
P	30	19-S	32-E		330	SOUTH	380	EAST	LEA

Dedicated Acres	Joint or Infill	Consolidation Code	Order No.
160			

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

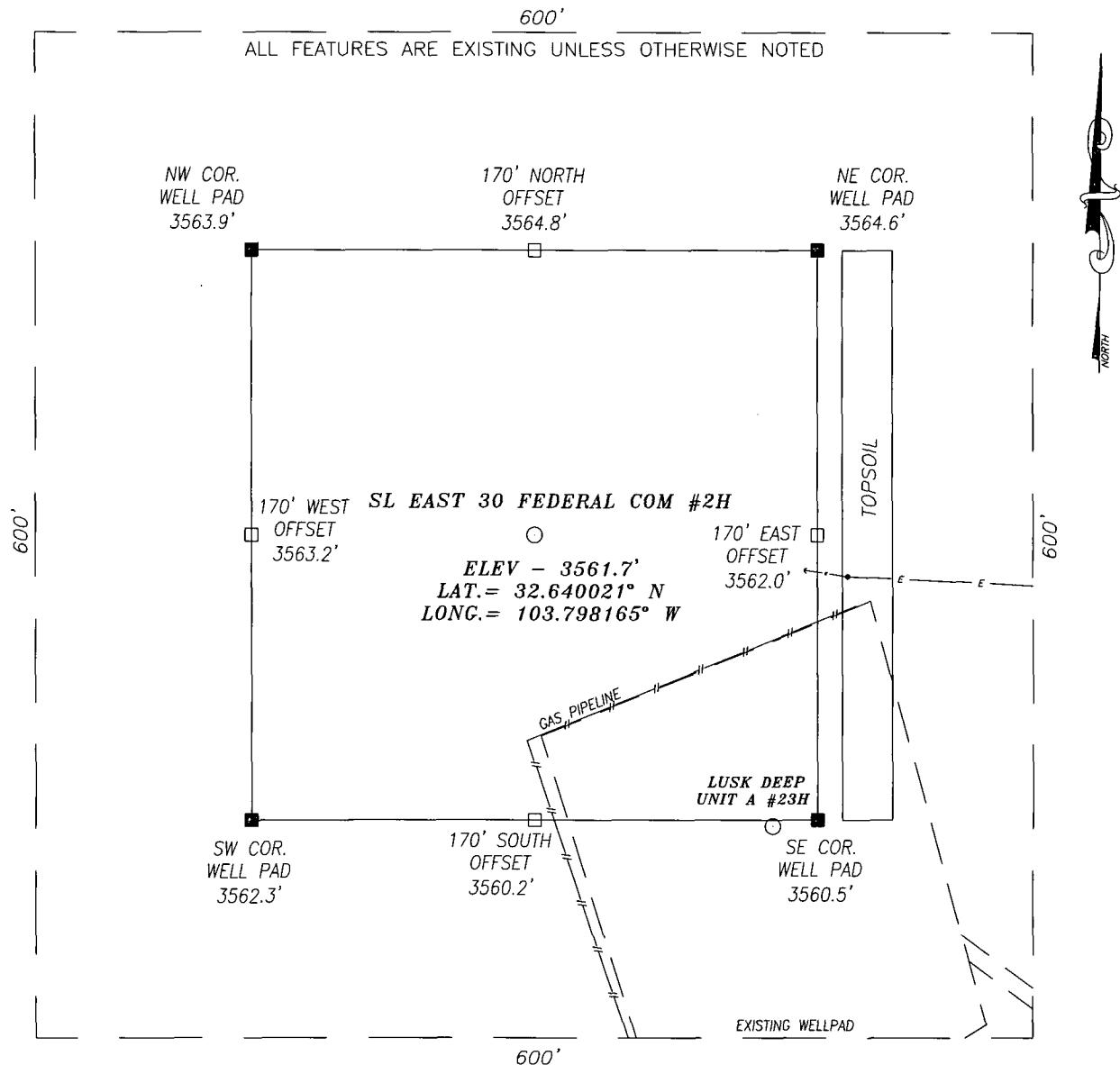
NAD 27 <u>SURFACE LOCATION</u> Y=596955.8 N X=664737.6 E LAT.=32.640021° N LONG.=103.798165° W NAD 27 <u>PROPOSED BOTTOM HOLE LOCATION</u> Y=591493.5 N X=664910.7 E LAT.=32.624977° N LONG.=103.797692° W	LOT 1 40.70 Ac. LOT 2 40.74 Ac. LOT 3 40.81 Ac. LOT 4 40.86 Ac. SECTION 19 SECTION 30 LOT 1 40.88 Ac. LOT 2 40.70 Ac. LOT 3 40.52 Ac. LOT 4 40.35 Ac.	Y=596444.9 N X=663950.4 E Y=596446.3 N X=665271.2 E Y=591162.5 N X=663967.6 E Y=591164.0 N X=665292.3 E NMN0025566 S.L. 530' 520' NMN0001218 NMN0107698 NMN059045 HORN DIST. - 5475.0' GRID AZ. - 178.1118° B.H. 330'	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> 8/28/14 Signature Date Melanie J Parker 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 3, 2014 Date of Survey Signature & Seal of Professional Surveyor <i>Chad L. Harcrow</i> 6/18/14 Certificate No. CHAD HARCROW 17777 W.O. # 14-474 DRAWN BY: AM
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APR 22 2015

SECTION 19, TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.,

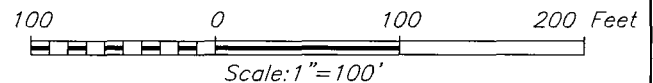
LEA COUNTY

NEW MEXICO



DIRECTIONS TO LOCATION

FROM THE INTERSECTION OF CR #126A (MALJAMAR RD.) AND LUSK PLANT RD. GO APPROX. 0.9 MILE SOUTH ALONG CR #126A (MALJAMAR RD); THEN TURN RIGHT (WEST) ONTO A CALICHE LEASE RD. AND GO APPROX. 190 FEET; THEN TURN RIGHT (NORTH) AND GO APPROX. 0.25 MILE TO EXISTING LUSK DEEP UNIT A #23H WELL PAD; GO TO THE NORTHWEST PAD CORNER; THEN PROPOSED WELL IS APPROX. 120 FEET NORTH.



HARCROW SURVEYING, LLC

2314 W. MAIN ST, ARTESIA, N.M. 88210

PH: (575) 513-2570 FAX: (575) 746-2158

chad_harcrow77@yahoo.com



COG OPERATING, LLC

SL EAST 30 FEDERAL COM #2H WELL
LOCATED 520 FEET FROM THE SOUTH LINE
AND 530 FEET FROM THE EAST LINE OF SECTION 19,
TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

SURVEY DATE: 6/3/2014

PAGE: 1 OF 1

DRAFTING DATE: 6/3/2014

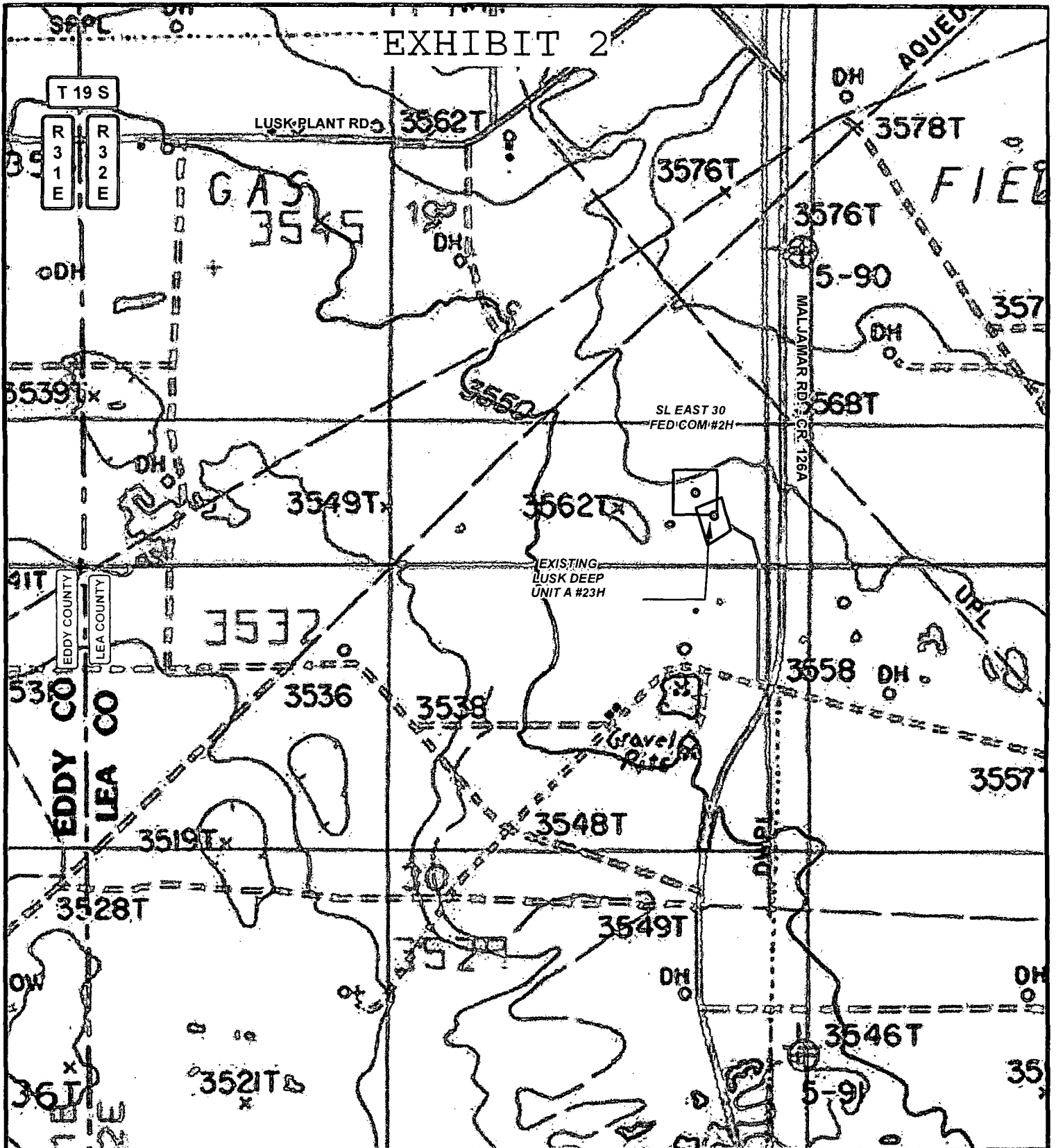
REV DATE: 1/15/2015

APPROVED BY: CH

DRAWN BY: AM

FILE: 14-474

EXHIBIT 2



LEGEND

- WELL
- WELLPAD
- EXISTING ROAD

SL EAST FED COM #2H

SEC: 19 TWP: 19 S. RGE: 32 E. ELEVATION: 3561.7'
 STATE: NEW MEXICO COUNTY: LEA 520' FSL & 530' FEL
 W.O. # 14-474 LEASE: SL EAST FED COM SURVEY: N.M.P.M

0 2,500 FEET

0 0.05 0.1 0.2 Miles 1 IN = 1,000 FT

ROAD MAP

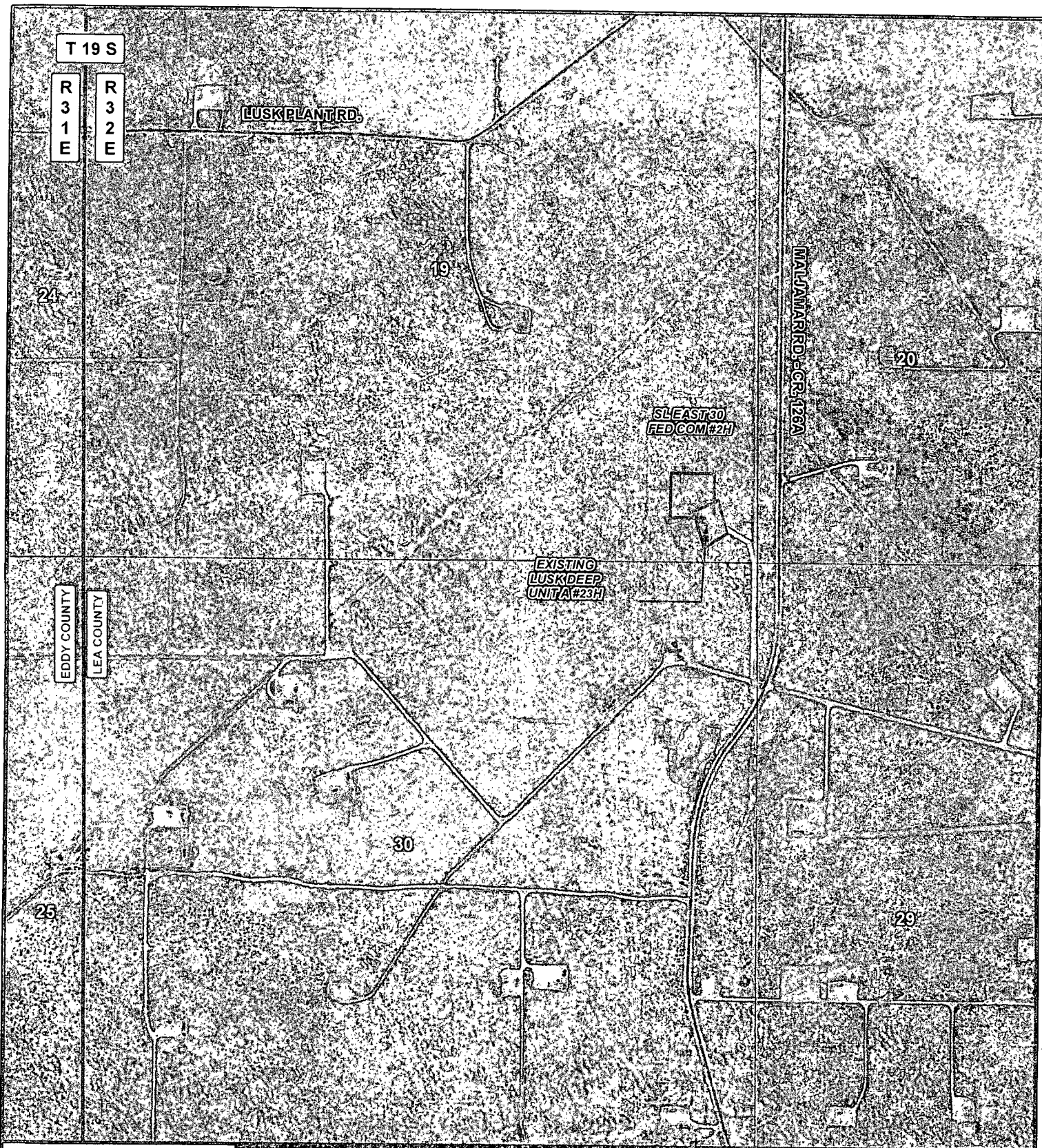
TOPO

06/05/2014

S.P.

CONCHO
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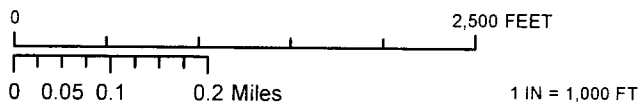


LEGEND

- WELL
- WELLPAD
- EXISTING ROAD

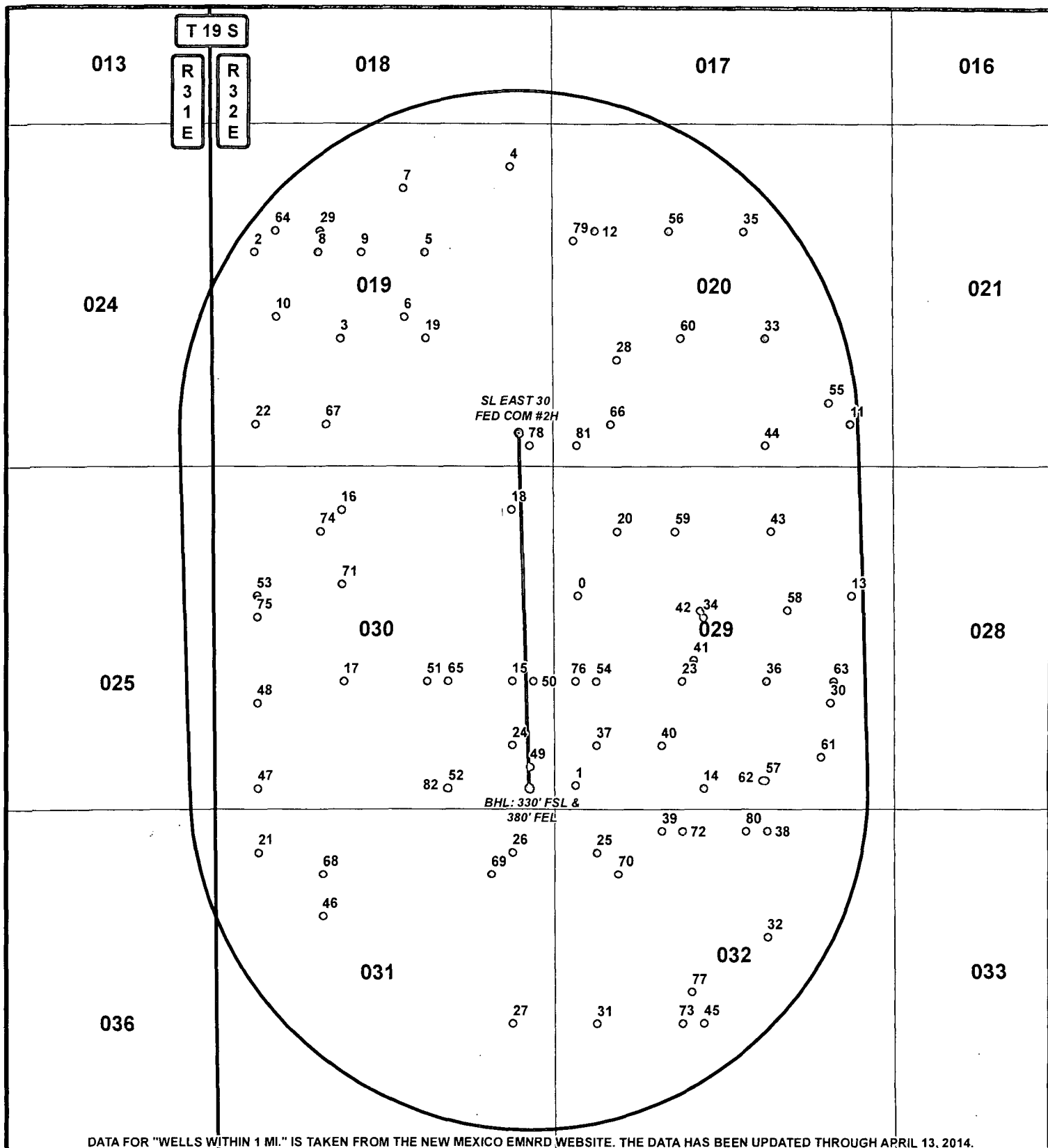
SL EAST FED COM #2H

SEC: 19 TWP: 19 S. RGE: 32 E. ELEVATION: 3561.7'
 STATE: NEW MEXICO COUNTY: LEA 520' FSL & 530' FEL
 W.O. # 14-474 LEASE: SL EAST FED COM SURVEY: N.M.P.M



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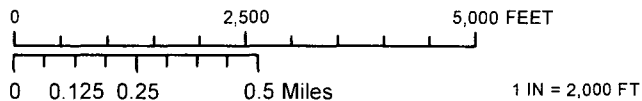
DATA FOR "WELLS WITHIN 1 MI." IS TAKEN FROM THE NEW MEXICO EMNRD WEBSITE. THE DATA HAS BEEN UPDATED THROUGH APRIL 13, 2014.

LEGEND

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

SL EAST FED COM #2H

SEC: 19 TWP: 19 S. RGE: 32 E. ELEVATION: 3561.7'
 STATE: NEW MEXICO COUNTY: LEA 520' FSL & 530' FEL
 W.O. # 14-474 LEASE: SL EAST FED COM SURVEY: N.M.P.M



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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	19.05	32E	1980	N	375	W	9211	New (Not drilled or compl)
1	CIMAREX ENERGY CO. OF COLORADO	SOUTHERN CALIFORNIA 29 FEDERAL 015	32.62522	-103.795838	3002539634	29	19.05	32E	375	S	330	W	9321	New (Not drilled or compl)
2	TANDEM ENERGY CORPORATION	MILLER FEDERAL 001	32.64783	-103.812035	3002500902	19	19.05	32E	1980	N	660	W	2634	Active
3	CARPER DRILLING CO	MILLER 002	32.644182	-103.807712	3002500904	19	19.05	32E	1980	S	1980	W	2862	Plugged
4	COG OPERATING LLC	LUSK DEEP UNIT A 001	32.651413	-103.799113	3002500905	19	19.05	32E	660	N	660	E	12453	Active
5	TOM R CONE	SOUTHERN CALIFORNIA PET FEDERAL 001	32.6478	-103.803413	3002500906	19	19.05	32E	1980	N	1980	E	2715	Active
6	KELLY G STOUT	SOUTHERN CALIFORNIA 002	32.645079	-103.804484	3002500907	19	19.05	32E	2310	S	2310	E	2552	Plugged
7	KELLY G STOUT	SOUTHERN CALIFORNIA 003	32.650526	-103.804497	3002500908	19	19.05	32E	990	N	2310	E	2695	Plugged
8	TOM R CONE	GULF FEDERAL 001	32.647819	-103.808803	3002500909	19	19.05	32E	1980	N	1650	W	2490	Active
9	TOM R CONE	GULF FEDERAL 002	32.647812	-103.806648	3002500910	19	19.05	32E	1980	N	2310	W	2500	Active
10	SIMMS & REESE OIL CO	GULF 001	32.645099	-103.810947	3002500911	19	19.05	32E	2310	S	990	W	2640	Plugged
11	CULBERTSON,IRWIN &	LYNCH 004	32.640481	-103.781902	3002500912	20	19.05	32E	660	S	660	E	2820	Plugged
12	EL PASO NATURAL GAS	LUSK DEEP UNIT 003	32.648679	-103.794797	3002500913	20	19.05	32E	1650	N	660	W	12621	Plugged
13	CIMAREX ENERGY CO. OF COLORADO	LUSK WEST DELAWARE UNIT 908	32.633224	-103.781876	3002500925	29	19.05	32E	1980	N	660	E	12833	Plugged
14	TEXACO EXPLORATION & PRODUCTION INC	BOWMAN FEDERAL 001	32.625078	-103.789376	3002500926	29	19.05	32E	330	S	2310	W	2770	Plugged
15	PAUL E HASKINS	SHELL FEDERAL 001	32.629642	-103.799073	3002500927	30	19.05	32E	1980	S	660	E	2768	Plugged
16	CHISOS, LTD	DELHI FEDERAL 001	32.636925	-103.807685	3002520025	30	19.05	32E	660	N	1980	W	11286	Active
17	OXY USA INC	ELLIOTT HALL B 002	32.629667	-103.807602	3002520035	30	19.05	32E	1980	S	1997	W	11325	Plugged
18	OXY USA INC	ELLIOTT HALL A 001	32.636897	-103.79908	3002520104	30	19.05	32E	660	N	660	E	12475	Active
19	COG OPERATING LLC	LUSK DEEP UNIT A 005	32.644168	-103.803404	3002520122	19	19.05	32E	1980	S	1980	E	12554	Active
20	EL PASO NATURAL GAS	SOUTHERN CALIFORNIA 002	32.635975	-103.793694	3002520156	29	19.05	32E	990	N	990	W	11407	Plugged
21	ENDURANCE RESOURCES LLC	POLEWSKI FEDERAL 001	32.62242	-103.811938	3002520161	31	19.05	32E	660	N	660	W	12976	Active
22	EL PASO NATURAL GAS	LUSK DEEP UNIT 006	32.640567	-103.812007	3002520247	19	19.05	32E	660	S	660	W	11432	Plugged
23	TEXACO EXPLORATION & PRODUCTION INC	SOUTHERN CALIFORNIA 003	32.629617	-103.790457	3002520359	29	19.05	32E	1980	S	1980	W	11420	Plugged
24	COG OPERATING LLC	FEDERAL USA J 001	32.626921	-103.799071	3002520367	30	19.05	32E	990	S	660	E	11296	Active
25	MARBOB ENERGY CORP	NEW MEXICO CR STATE 001	32.622372	-103.794767	3002520563	32	19.05	32E	660	N	660	W	11495	Plugged
26	COG OPERATING LLC	FEDERAL USA I 001	32.622385	-103.799074	3002520813	31	19.05	32E	660	N	660	E	11385	Active
27	COG OPERATING LLC	STRING BEAN FEDERAL COM 002	32.615055	-103.799099	3002520814	31	19.05	32E	1980	S	660	E	12911	Active
28	SHACKELFORD OIL CO	LUSK WEST DELAWARE UNIT 012	32.643232	-103.793707	3002520874	20	19.05	32E	1650	S	990	W	11467	Active
29	TOM R CONE	GULF FEDERAL 003	32.648726	-103.808715	3002520876	19	19.05	32E	1650	N	1678	W	11223	Active
30	CIMAREX ENERGY CO. OF COLORADO	SOUTHERN CALIFORNIA FEDERAL 004	32.628688	-103.782936	3002520877	29	19.05	32E	1650	S	990	E	11449	Active
31	COG OPERATING LLC	NEW MEXICO CR STATE 003	32.615046	-103.794791	3002520959	32	19.05	32E	1980	S	660	W	11500	Active
32	CIMAREX ENERGY CO. OF COLORADO	TEXACO CITIES SERVICE STATE COM 001	32.618719	-103.786166	3002520961	32	19.05	32E	1980	N	1980	E	13300	Active
33	SHACKELFORD OIL CO	LUSK WEST DELAWARE UNIT 010	32.64412	-103.786222	3002521488	20	19.05	32E	1980	S	1980	E	11550	Active
34	KINCAID & WATSON DRILLING CO	BOWMAN 001	32.632336	-103.789382	3002522280	29	19.05	32E	2310	N	2310	W	2746	Plugged
35	SHACKELFORD OIL CO	LUSK WEST DELAWARE UNIT 007	32.648635	-103.78728	3002524869	20	19.05	32E	1660	N	2300	E	12759	Active
36	CIMAREX ENERGY CO. OF COLORADO	LUSK WEST DELAWARE UNIT 910	32.629604	-103.78617	3002530093	29	19.05	32E	1980	S	1980	E	7200	Plugged
37	SHACKELFORD OIL CO	LUSK WEST DELAWARE UNIT 913	32.626908	-103.794763	3002530094	29	19.05	32E	990	S	660	W	7200	Active
38	MATADOR OPERATING CO	FORAN NF STATE 001	32.623255	-103.786152	3002530108	32	19.05	32E	330	N	1980	E	6588	Plugged
39	TEXACO EXPLORATION & PRODUCTION INC	NEW MEXICO CR STATE 004	32.62327	-103.791494	3002530133	32	19.05	32E	330	N	1662	W	6863	Plugged
40	CIMAREX ENERGY CO. OF COLORADO	LUSK WEST DELAWARE UNIT 914	32.626898	-103.791502	3002530164	29	19.05	32E	990	S	1659	W	6850	Plugged
41	SHACKELFORD OIL CO	LUSK WEST DELAWARE UNIT 911	32.630522	-103.78987	3002530165	29	19.05	32E	2310	S	2160	W	6850	Active
42	SHACKELFORD OIL CO	SOUTHERN CALIFORNIA FEDERAL 007	32.632611	-103.789546	3002530328	29	19.05	32E	2210	N	2260	W	7204	Active
43	SHACKELFORD OIL CO	LUSK WEST DELAWARE UNIT 902	32.635955	-103.785933	3002530329	29	19.05	32E	990	N	1900	E	7200	Active
44	SHACKELFORD OIL CO	LUSK DEEP UNIT A 014	32.639584	-103.786208	3002530490	20	19.05	32E	330	S	1980	E	7200	TA
45	TEXACO EXPLORATION & PRODUCTION INC	NEW MEXICO CR STATE 005	32.615054	-103.789406	3002530762	32	19.05	32E	1980	S	2310	W	3023	Plugged
46	ASPEN OIL INC	PRINCESS D 002	32.619691	-103.808697	3002530771	31	19.05	32E	1650	N	1650	W	7150	Plugged
47	YATES PETROLEUM CORPORATION	FLOOD APN FEDERAL 001	32.625141	-103.811948	3002530944	30	19.05	32E	330	S	660	W	7270	Active
48	OXY USA INC	FEDERAL 30 001	32.62877	-103.811962	3002531039	30	19.05	32E	1650	S	660	W	7300	Active
49	COG OPERATING LLC	FEDERAL USA J 002	32.626011	-103.798173	3002532051	30	19.05	32E	660	S	385	E	7229	Active
50	COG OPERATING LLC	FEDERAL USA J 003	32.629639	-103.797996	3002532447	30	19.05	32E	1980	S	330	E	7200	Active
51	COG OPERATING LLC	FEDERAL USA J 004	32.629655	-103.803382	3002532448	30	19.05	32E	1980	S	1980	E	7200	Active
52	TEXACO EXPLORATION & PRODUCTION INC	FEDERAL USA J 005	32.625117	-103.80231	3002532449	30	19.05	32E	330	S	1653	E	7300	Plugged
53	OXY USA INC	GECKO FEDERAL 001	32.63331	-103.811979	3002532678	30	19.05	32E	1980	N	660	W	7280	Plugged
54	SHACKELFORD OIL CO	LUSK WEST DELAWARE UNIT 912	32.629629	-103.794765	3002533461	29	19.05	32E	1980	S	660	W	7210	Active
55	CIMAREX ENERGY CO. OF COLORADO	LUSK WEST DELAWARE UNIT 016	32.64139	-103.782982	3002534031	20	19.05	32E	990	S	990	E	6600	Plugged
56	SHACKELFORD OIL CO	LUSK WEST DELAWARE UNIT 006	32.648671	-103.791076	3002534032	20	19.05	32E	1650	N	1800	W	7165	Active
57	PIONEER NATURAL RESOURCES USA INC	LUSK WEST DELAWARE UNIT 915	32.625399	-103.78622	3002534130	29	19.05	32E	450	S	2000	E	4210	Plugged

58 CIMAREX ENERGY CO. OF COLORADO	LUSK WEST DELAWARE UNIT 907	32.632628	-103.785105	3002534132	29 19.05	32E	2200 N	1650 E	6630 Plugged
59 CIMAREX ENERGY CO. OF COLORADO	LUSK WEST DELAWARE UNIT 903	32.635968	-103.790789	3002534172	29 19.05	32E	990 N	1880 W	6635 Plugged
60 CIMAREX ENERGY CO. OF COLORADO	LUSK WEST DELAWARE UNIT 011	32.644131	-103.790477	3002534173	20 19.05	32E	1980 S	1980 W	6630 Plugged
61 CIMAREX ENERGY CO. OF COLORADO	LUSK WEST DELAWARE UNIT 916	32.62638	-103.783417	3002534217	29 19.05	32E	810 S	1140 E	6630 Plugged
62 CIMAREX ENERGY CO. OF COLORADO	LUSK WEST DELAWARE UNIT 915Y	32.625399	-103.786383	3002534269	29 19.05	32E	450 S	2050 E	6630 Plugged
63 CIMAREX ENERGY CO. OF COLORADO	LUSK WEST DELAWARE UNIT 909	32.629595	-103.782776	3002534283	29 19.05	32E	1980 S	940 E	6630 Plugged
64 COG OPERATING LLC	LUSK DEEP UNIT A 014	32.648734	-103.810961	3002534573	19 19.05	32E	1650 N	990 W	12540 Active
65 COG OPERATING LLC	SL DEEP FEDERAL COM 001	32.629652	-103.802305	3002535088	30 19.05	32E	1980 S	1650 E	12474 Active
66 COG OPERATING LLC	LUSK DEEP UNIT A 017	32.640511	-103.794026	3002535095	20 19.05	32E	660 S	890 W	12750 Active
67 COG OPERATING LLC	LUSK DEEP UNIT A 021	32.640556	-103.808449	3002535291	19 19.05	32E	660 S	1750 W	12718 Active
68 TRITEX RESOURCES, L.L.C.	POLEWSKI FEDERAL 002	32.621505	-103.808678	3002535340	31 19.05	32E	990 N	1658 W	7303 Plugged
69 APACHE CORP	TRES ELO FEDERAL COM 001	32.621482	-103.800154	3002535750	31 19.05	32E	990 N	990 E	12550 Active
70 COG OPERATING LLC	MAGNUM PRONTO STATE COM 001	32.621462	-103.793693	3002536157	32 19.05	32E	990 N	990 W	12700 Active
71 COG OPERATING LLC	SL DEEP FEDERAL 002	32.633792	-103.807673	3002536257	30 19.05	32E	1800 N	1980 W	12640 Active
72 COG OPERATING LLC	MAGNUM PRONTO STATE 003	32.623267	-103.790456	3002538736	32 19.05	32E	330 N	1980 W	11044 New (Not drilled or compl)
73 COG OPERATING LLC	MAGNUM PRONTO STATE 002	32.615052	-103.790483	3002538827	32 19.05	32E	1980 S	1980 W	12945 Active
74 COG OPERATING LLC	SL DEEP FEDERAL 003	32.636022	-103.808759	3002539441	30 19.05	32E	990 N	1650 W	9580 Active
75 COG OPERATING LLC	SL DEEP FEDERAL 004H	32.632403	-103.811976	3002539538	30 19.05	32E	2310 N	660 W	10858 New (Not drilled or compl)
76 CIMAREX ENERGY CO. OF COLORADO	SOUTHERN CALIFORNIA 29 FEDERAL 017	32.629632	-103.795842	3002539888	29 19.05	32E	1980 S	330 W	9294 New (Not drilled or compl)
77 COG OPERATING LLC	MAGNUM PRONTO 32 STATE SWD 001	32.6164	-103.790022	3002541354	32 19.05	32E	2470 S	2120 W	0 New (Not drilled or compl)
78 COG OPERATING LLC	LUSK DEEP UNIT A 023H	32.639615	-103.79817	3002540260	19 19.05	32E	330 S	380 E	13595 New (Not drilled or compl)
79 COG OPERATING LLC	LUSK DEEP UNIT A 025H	32.648269	-103.795874	3002540193	20 19.05	32E	1800 N	330 W	13706 New (Not drilled or compl)
80 CIMAREX ENERGY CO. OF COLORADO	SOUTH LUSK 32 STATE COM 002	32.623258	-103.787228	3002539953	32 19.05	32E	330 N	2310 E	0 New (Not drilled or compl)
81 COG OPERATING LLC	LUSK DEEP UNIT A 030H	32.639608	-103.795754	3002541513	20 19.05	32E	330 S	360 W	0 New (Not drilled or compl)
82 COG OPERATING LLC	SL EAST 30 FEDERAL COM 001H	32.625117	-103.802366	3002540154	30 19.05	32E	330 S	1670 E	13540 New (Not drilled or compl)