

DISTRICT I
1625 N. FRENCH DR., HOBBS, NM 88240
Phone: (505) 393-6161 Fax: (505) 393-0720

DISTRICT II
811 S. FIRST ST., ARTESIA, NM 88210
Phone: (505) 748-1283 Fax: (505) 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. SEP 22 2014
Santa Fe, New Mexico 87505

HOBBS OCD

Form C-102

Revised August 1, 2011

Submit one copy to appropriate

District Office

RECEIVED

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

API Number 30-025- 42133	Pool Code 41460	Pool Name Lusk; Bone Spring, South
Property Code 40118	Property Name NIGHTCAP 6 FED	Well Number 1H
OGRID No. 229137	Operator Name COG OPERATING, LLC	Elevation 3523.6

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
I	31	19-S	32-E		1800	SOUTH	560	EAST	LEA

Bottom Hole Location If Different From Surface

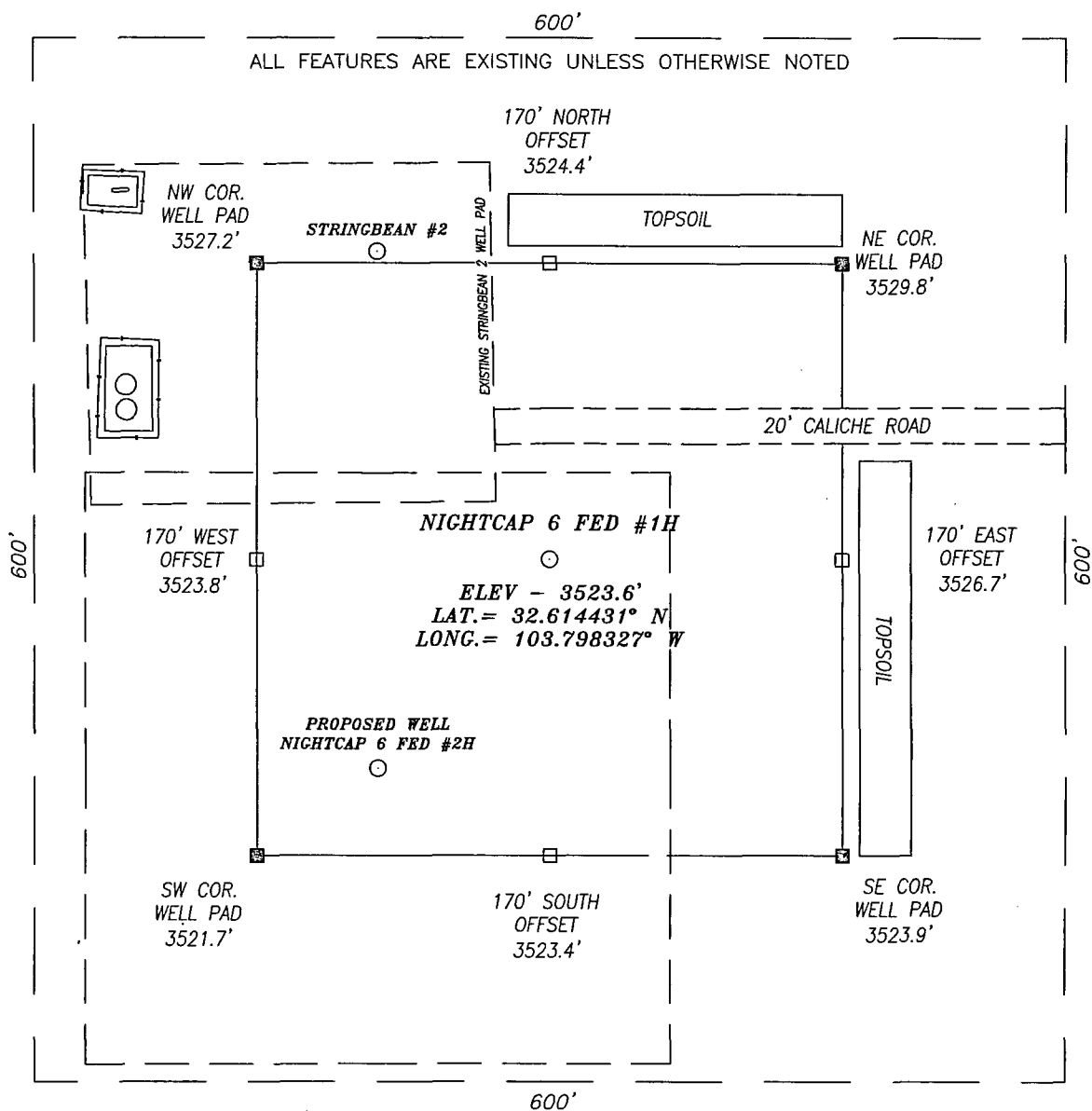
UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
P	6	20-S	32-E		330	SOUTH	380	EAST	LEA

Dedicated Acres 159.91	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

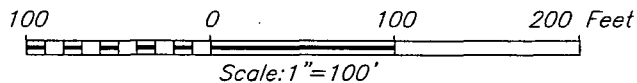
NAD 27 <u>SURFACE LOCATION</u> Y=587656.0 N X=664734.5 E LAT.=32.614431° N LONG.=103.798327° W NAD 27 <u>PROPOSED BOTTOM HOLE LOCATION</u> Y=580917.1 N X=664932.2 E LAT.=32.595905° N LONG.=103.797796° W	LOT 1 39.97 Ac. LOT 2 39.70 Ac. LOT 3 39.81 Ac. LOT 4 39.70 Ac. T 19 S LOT 4 39.08 Ac. LOT 5 39.14 Ac. LOT 6 39.22 Ac. LOT 7 39.20 Ac.	41.08 Ac. SECTION 81 41.71 Ac. 39.91 Ac As per LR2000 39.87 Ac. 39.87 Ac. 39.92 Ac.	LOT 5 LOT 6 LOT 7 LOT 1 LOT 2 LOT 3	Y=587238.5 N X=663968.9 E Y=587253.7 N X=665294.1 E Y=580592.8 N X=663989.3 E Y=580584.8 N X=665313.5 E S.L.O. 560' 1800' GRID AZ. - 178.1911" 6.741.8' B.H.O. 380' 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> 4/24/14 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. DECEMBER 14, 2013 Date of Survey Signature & Seal of Professional Surveyor <i>Chad L. Harcrow</i> 11/3/14 Certificate No. CHAD HARCROW 17777 W.O. # 13-986 DRAWN BY: SP			

SECTION 31, 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. 2.4 MILES SOUTH ALONG MALJAMAR RD; THEN TURN RIGHT (WEST) ONTO A CALICHE LEASE RD AND GO APPROX. 0.1 MILE TO EXISTING STRINGBEAN #2 WELL PAD; GO TO THE SOUTHEAST PAD CORNER; THEN PROPOSED WELL IS APPROX. 45 FEET SOUTHEAST.



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

NIGHTCAP 6 FED #1H WELL
LOCATED 1800 FEET FROM THE SOUTH LINE
AND 560 FEET FROM THE EAST LINE OF SECTION 31,
TOWNSHIP 19 SOUTH, RANGE 32 EAST, N.M.P.M.,
LEA COUNTY, NEW MEXICO

SURVEY DATE: 12/14/2013

PAGE: 1 OF 1

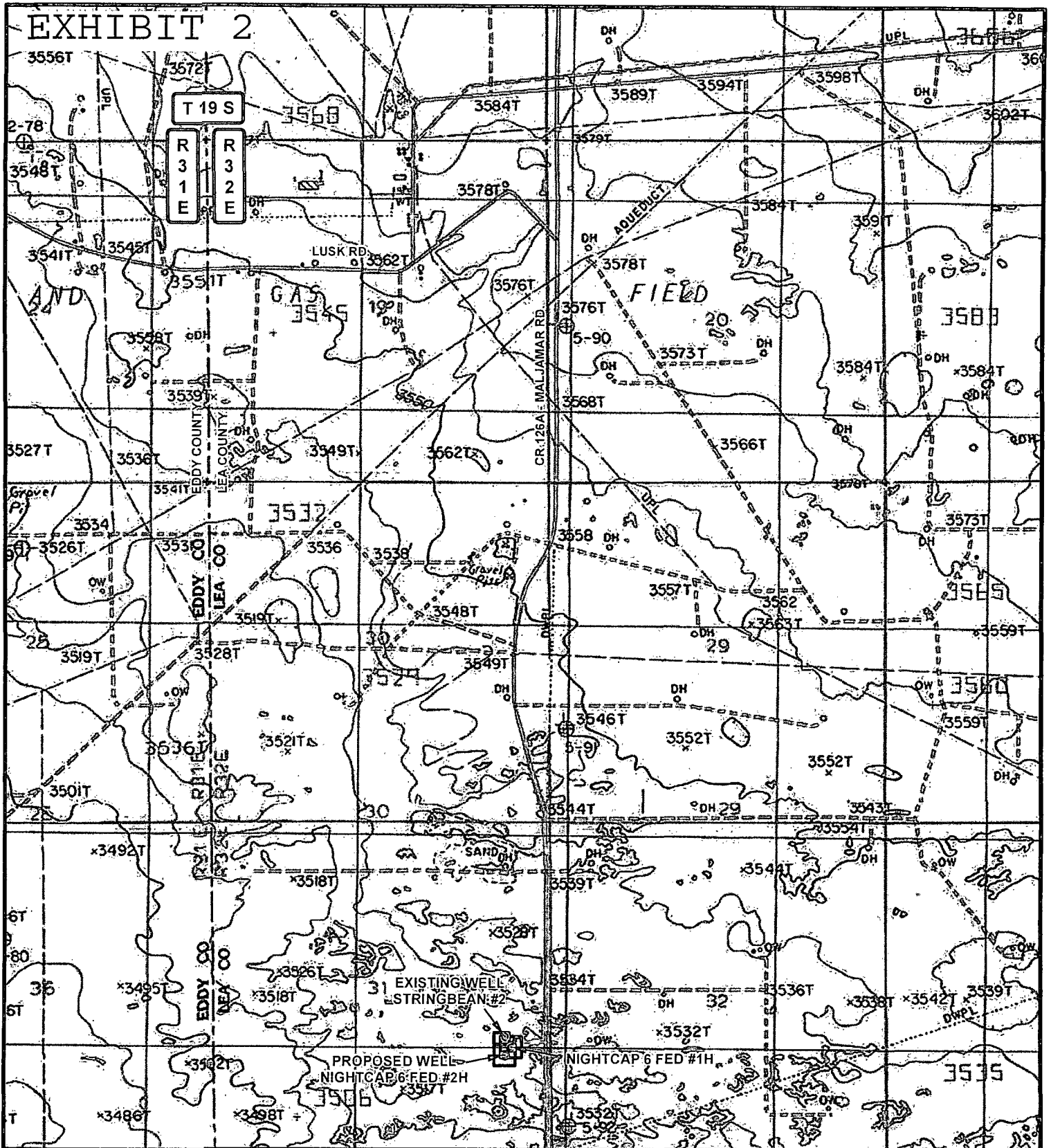
DRAFTING DATE: 12/15/2013

APPROVED BY: CH

DRAWN BY: SP

FILE: 13-986

EXHIBIT 2



LEGEND

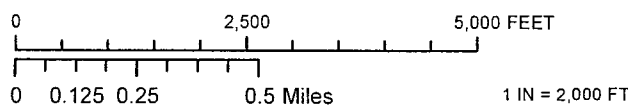
- WELL
- WELLPAD
- EXISTING ROAD

WELL NAME: NIGHTCAP 6 FED #1H

SEC: 31 TWP: 19 S. RGE: 32 E. ELEVATION: 3523.6'

STATE: NEW MEXICO COUNTY: LEA 1800' FSL & 560' FEL

W.O. # 13-986 LEASE: NIGHTCAP 6 FED SURVEY: N.M.P.M

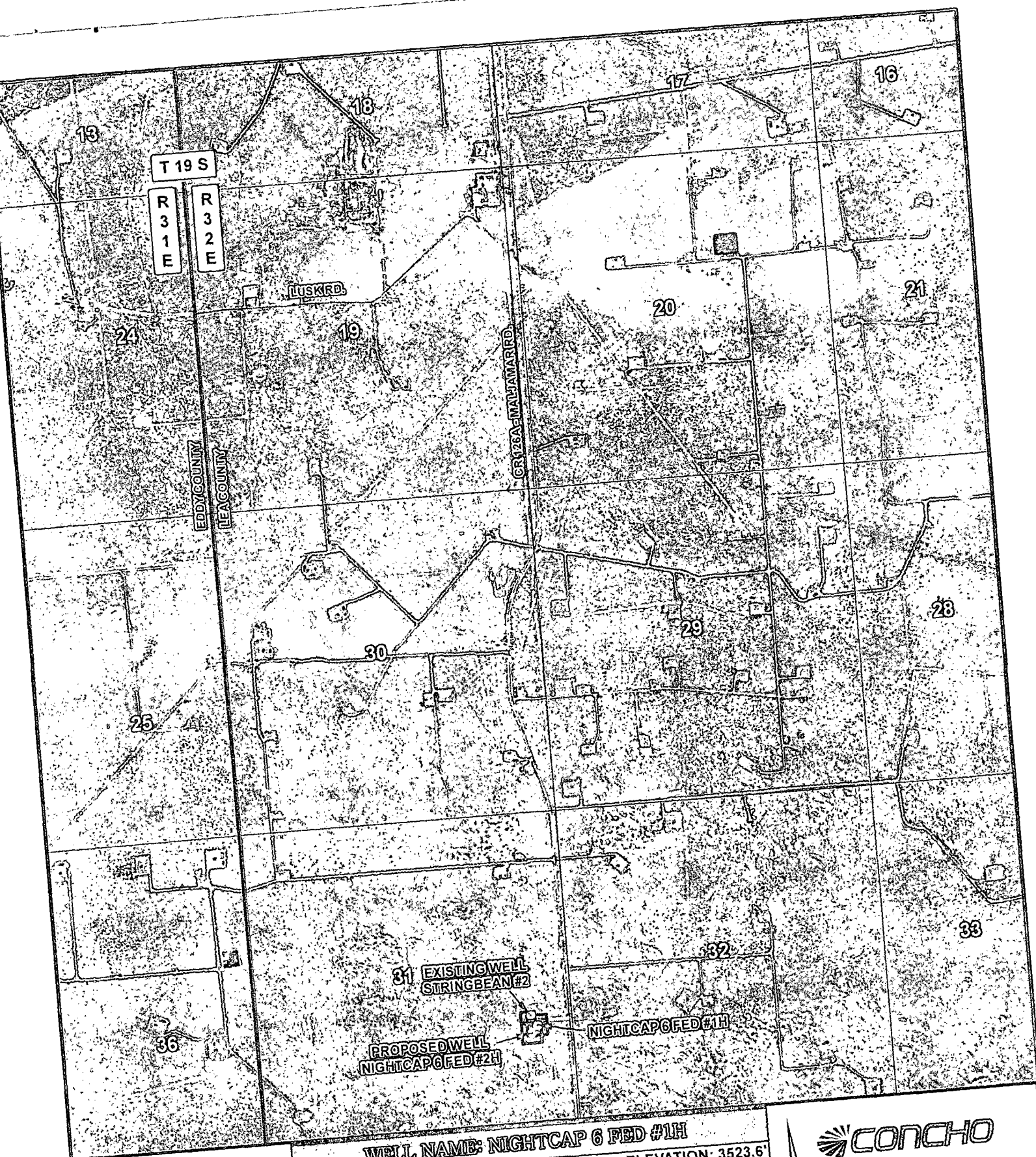


LOCATION MAP TOPO 12/19/2013 S.P.

CONCHO
COG OPERATING, LLC

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



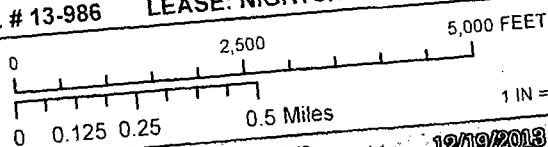


LEGEND

- WELL
- WELLPAD
- EXISTING ROAD

WELL NAME: NIGHTCAP 6 FED #1H

SEC: 31 TWP: 19 S. RGE: 32 E. ELEVATION: 3523.6'
 STATE: NEW MEXICO COUNTY: LEA 1800' FSL & 560' FEL
 W.O. # 13-986 LEASE: NIGHTCAP 6 FED SURVEY: N.M.P.M



LOCATION MAP

IMAGERY

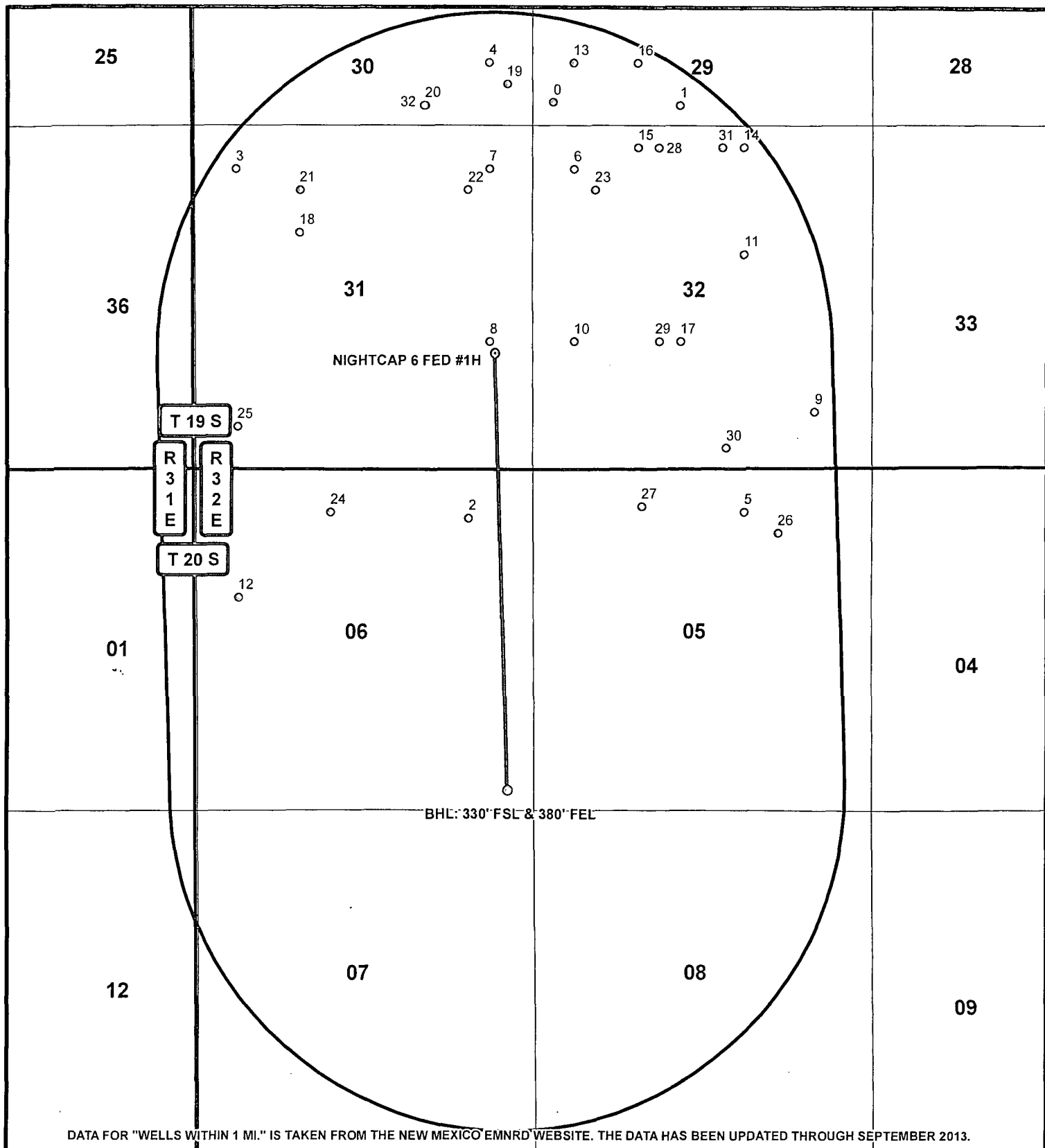
12/19/2013

S.P.

CONCHO
 COG OPERATING, LLC

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





DATA FOR "WELLS WITHIN 1 MI." IS TAKEN FROM THE NEW MEXICO EMNRD WEBSITE. THE DATA HAS BEEN UPDATED THROUGH SEPTEMBER 2013.

LEGEND

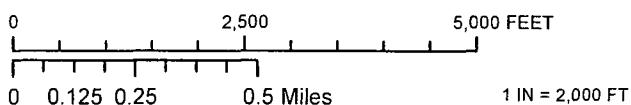
- WELL
- WELLS WITHIN 1 MI.
- BOTTOM HOLE
- 1 MILE BUFFER

WELL NAME: NIGHTCAP 6 FED #1H

SEC: 31 TWP: 19 S. RGE: 32 E. ELEVATION: 3523.6'

STATE: NEW MEXICO COUNTY: LEA 1800' FSL & 560' FEL

W.O. # 13-986 LEASE: NIGHTCAP 6 FED SURVEY: N.M.P.M



1-MILE MAP

12/19/2013

S.P.



COG OPERATING, LLC

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



FID	OPERATOR	WELL_NAME	LATITUDE	LONGITUDE	TOWNSHIP	RANGE	SECTION	FTG_NS	NS_CD	FTG_EW	EW_CD	TVD_DEPTH	COMPL_STAT
0	CIMAREX ENERGY CO. OF COLORADO	SOUTHERN CALIFORNIA 29 FEDERAL 015	32.62522	-103.795838	19.0S	32E	29	375 S		330 W		9321	New (Not drilled or compl)
1	TEXACO EXPLORATION & PRODUCTION INC	BOWMAN FEDERAL 001	32.625078	-103.789376	19.0S	32E	29	330 S		2310 W		2770	Plugged
2	ARGO ROYALTY CO	BURNER 001	32.607557	-103.800198	20.0S	32E	6	750 N		990 E		2925	Plugged
3	ENDURANCE RESOURCES LLC	POLEWSKI FEDERAL 001	32.62242	-103.811938	19.0S	32E	31	660 N		660 W		12976	Active
4	COG OPERATING LLC	FEDERAL USA J 001	32.626921	-103.799071	19.0S	32E	30	990 S		660 E		11296	Active
5	ATLANTIC REFINING	LUSK FEDERAL 001	32.607802	-103.786213	20.0S	32E	5	660 N		1980 E		2689	Plugged
6	MARBOB ENERGY CORP	NEW MEXICO CR STATE 001	32.622372	-103.794767	19.0S	32E	32	660 N		660 W		11495	Plugged
7	COG OPERATING LLC	FEDERAL USA I 001	32.622385	-103.799074	19.0S	32E	31	660 N		660 E		11385	Active
8	COG OPERATING LLC	STRING BEAN FEDERAL COM 002	32.615055	-103.799099	19.0S	32E	31	1980 S		660 E		12911	Active
9	MARBOB ENERGY CORP	NEW MEXICO CR STATE 002	32.612053	-103.78261	19.0S	32E	32	885 S		885 E		11500	Plugged
10	COG OPERATING LLC	NEW MEXICO CR STATE 003	32.615046	-103.794791	19.0S	32E	32	1980 S		660 W		11500	Active
11	CIMAREX ENERGY CO. OF COLORADO	TEXACO CITIES SERVICE STATE COM 001	32.618719	-103.786166	19.0S	32E	32	1980 N		1980 E		13300	Active
12	SIETE OIL & GAS CORP	KACHINA FEDERAL 001	32.604258	-103.811898	20.0S	32E	6	1980 N		660 W		7460	Plugged
13	CIMAREX ENERGY CO. OF COLORADO	LUSK WEST DELAWARE UNIT 913	32.626908	-103.794763	19.0S	32E	29	990 S		660 W		7200	Active
14	MATADOR OPERATING CO	FORAN NF STATE 001	32.623255	-103.786152	19.0S	32E	32	330 N		1980 E		6588	Plugged
15	TEXACO EXPLORATION & PRODUCTION INC	NEW MEXICO CR STATE 004	32.62327	-103.791494	19.0S	32E	32	330 N		1662 W		6863	Plugged
16	CIMAREX ENERGY CO. OF COLORADO	LUSK WEST DELAWARE UNIT 914	32.626898	-103.791502	19.0S	32E	29	990 S		1659 W		6850	Plugged
17	TEXACO EXPLORATION & PRODUCTION INC	NEW MEXICO CR STATE 005	32.615054	-103.789406	19.0S	32E	32	1980 S		2310 W		3023	Plugged
18	ASPEN OIL INC	PRINCESS D 002	32.619691	-103.808697	19.0S	32E	31	1650 N		1650 W		7150	Plugged
19	COG OPERATING LLC	FEDERAL USA J 002	32.626011	-103.798173	19.0S	32E	30	660 S		385 E		7229	Active
20	TEXACO EXPLORATION & PRODUCTION INC	FEDERAL USA J 005	32.625117	-103.80231	19.0S	32E	30	330 S		1653 E		7300	Plugged
21	TRITEX RESOURCES, L.L.C.	POLEWSKI FEDERAL 002	32.621505	-103.808678	19.0S	32E	31	990 N		1658 W		7303	Plugged
22	APACHE CORP	TRES ELO FEDERAL COM 001	32.621482	-103.800154	19.0S	32E	31	990 N		990 E		12550	Active
23	COG OPERATING LLC	MAGNUM PRONTO STATE COM 001	32.621462	-103.793693	19.0S	32E	32	990 N		990 W		12700	Active
24	COG OPERATING LLC	CAP FEDERAL 001	32.607847	-103.807194	20.0S	32E	6	660 N		2100 W		12960	Active
25	COG OPERATING LLC	STRING BEAN FEDERAL COM 001	32.611515	-103.811896	19.0S	32E	31	660 S		660 W		12949	Active
26	COG OPERATING LLC	GEORGE FEDERAL COM 001	32.606897	-103.784495	20.0S	32E	5	990 N		1450 E		13010	Active
27	COG OPERATING LLC	GEORGE FEDERAL COM 002	32.608042	-103.79142	20.0S	32E	5	570 N		1700 W		13120	Active
28	COG OPERATING LLC	MAGNUM PRONTO STATE 003	32.623267	-103.790456	19.0S	32E	32	330 N		1980 W		11044	New (Not drilled or compl)
29	COG OPERATING LLC	MAGNUM PRONTO STATE 002	32.615052	-103.790483	19.0S	32E	32	1980 S		1980 W		12945	Active
30	COG OPERATING LLC	MAGNUM PRONTO STATE COM 005H	32.610521	-103.787101	19.0S	32E	32	330 S		2260 E		13755	New (Not drilled or compl)
31	CIMAREX ENERGY CO. OF COLORADO	SOUTH LUSK 32 STATE COM 002	32.623258	-103.787228	19.0S	32E	32	330 N		2310 E		0	New (Not drilled or compl)
32	COG OPERATING LLC	SL EAST 30 FEDERAL COM 001H	32.625117	-103.802366	19.0S	32E	30	330 S		1670 E		13540	New (Not drilled or compl)

Nightcap 6 Federal #1H