

Surface Use Plan  
COG Operating LLC  
SL East 30 Federal Com #2H  
SL: 520' FSL & 530' FEL      UL P  
Section 19, T19S, R32E  
BHL: 330' FSL & 380' FEL      UL P  
Section 30, T19S, R32E  
Eddy County, New Mexico

HOBBS OCD

APR 20 2015

RECEIVED

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# Surface Use & Operating Plan

## SL East 30 Federal Com #2H

- Surface Tenant: G&L Cattle, LLC, 23104 County Road 19, Springfield, CO 81073
- New Road: No new road necessary
- Flow Line: On well pad.
- Facilities: Will be constructed on well pad – see Exhibit 3
- **Well Site Information**
  - V Door: East
  - Topsoil: West
  - Interim Reclamation: North and West

### **Notes**

**Onsite:** On-site was done by Amanda Lynch (BLM); and Rand French (COG) on May 20, 2013.

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*Eddy County, New Mexico*

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## **SURFACE USE AND OPERATING PLAN**

### **1. Existing & Proposed Access Roads**

- A. The well site survey and elevation plat for the proposed well is attached with this application. It was staked by Harcrow Surveying, Artesia, NM.
- B. All roads to the location are shown on the Location Verification Map Exhibit 2. The existing lease roads are illustrated and are adequate for travel during drilling and production operations. Upgrading existing roads prior to drilling the well will be done where necessary. The road route to the well site is depicted in Exhibit #2. The road shown in Exhibit #2 will be used to access the well.
- C. Directions to location: See 600 x 600 plat
- D. Routine grading and maintenance of existing roads will be conducted as necessary to maintain their condition as long as any operations continue on this lease. Roads will be maintained according to specifications in section 2 of this Surface Use and Operating Plan.

### **2. Proposed Access Road:**

The Location Verification Map shows that no new access road will be required for this location. If any road is required it will be constructed as follows:

The maximum width of the running surface will be 14'. The road will be crowned, ditched and constructed of 6" rolled and compacted caliche. Ditches will be at 3:1 slope and 4 feet wide. Water will be diverted where necessary to avoid ponding, prevent erosion, maintain good drainage, and to be consistent with local drainage patterns.

- A. The average grade will be less than 1%.
- B. No turnouts are planned.
- C. No culvert, cattleguard, gates, low water crossings or fence cuts are necessary.
- D. Surfacing material will consist of native caliche. Caliche will be obtained from the actual well site if available. If not available onsite, caliche will be hauled from the nearest BLM approved caliche pit.

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### **3. Location of Existing Well:**

The One-Mile Radius Map shows existing wells within a one-mile radius of the proposed wellbore.

#### **Location of Existing and/or Proposed Facilities:**

- A. COG Operating LLC does not operate an oil production facility on this lease.
- B. If the well is productive, contemplated facilities will be as follows:
  - 1) A tank battery and facilities will be constructed as shown Exhibit 3.
  - 2) The tank battery and facilities including all flow lines and piping will be installed according to API specifications.
  - 3) Any additional caliche will be obtained from the actual well site. If caliche does not exist or is not plentiful from the well site, the caliche will be hauled from a BLM approved caliche pit. Any additional construction materials will be purchased from contractors.
  - 4) It will be necessary to run electric power if this well is productive. Power will be provided by Xcel Energy and they will submit a separate plan and ROW for service to the well location.
  - 5) If the well is productive, rehabilitation plans will include the following:
    - The original topsoil from the well site will be returned to the location, and the site will be re-contoured as close as possible to the original site.

### **4. Location and Type of Water Supply:**

The well will be drilled with combination brine and fresh water mud system as outlined in the drilling program. The water will be obtained from commercial water stations in the area and hauled to location by transport truck over the existing and proposed access roads shown in Exhibit #2. If a commercial fresh water source is nearby, fast line may be laid along existing road ROW's and fresh water pumped to the well. No water well will be drilled on the location.

**5. Source of Construction Materials and Location "Turn-Over" Procedure:**

Obtaining caliche: One primary way of obtaining caliche to build locations and roads will be by "turning over" the location. This means, caliche will be obtained from the actual well site. A caliche permit will be obtained from BLM prior to obtaining caliche. 2400 cubic yards is the maximum amount of caliche needed for pad and roads. Amount will vary for each pad. The procedure below has been approved by BLM personnel:

- A. The top 6 inches of topsoil is pushed off and stockpiled along the side of the location.
- B. An approximate 160' X 160' area is used within the proposed well site to remove caliche.
- C. Subsoil is removed and stockpiled within the surveyed well pad.
- D. When caliche is found, material will be stock piled within the pad site to build the location and road.
- E. Then subsoil is pushed back in the hole and caliche is spread accordingly across entire location and road.
- F. Once well is drilled, the stock piled top soil will be used for interim reclamation and spread along areas where caliche is picked up and the location size is reduced.
- G. Neither caliche, nor subsoil will be stock piled outside of the well pad. Topsoil will be stockpiled along the edge of the pad as depicted in the Well Site Layout or survey plat.

In the event that no caliche is found onsite, caliche will be hauled in from a BLM approved caliche pit or other established mineral pit. A BLM mineral material permit will be acquired prior to obtaining any mineral material from BLM pits or land.

**6. Methods of Handling Water Disposal:**

- A. The well will be drilled utilizing a closed loop mud system. Drill cuttings will be held in roll-off style mud boxes and taken to an NMOCD approved disposal site.
- B. Drilling fluids will be contained in steel mud pits.
- C. Water produced from the well during completion will be held temporarily in steel tanks and then taken to an NMOCD approved commercial disposal facility.

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*Eddy County, New Mexico*

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- D. Garbage and trash produced during drilling or completion operations will be collected in a trash bin and hauled to an approved landfill. No toxic waste or hazardous chemicals will be produced by this operation.
- E. Human waste and grey water will need to be properly contained and disposed of. Proper disposal and elimination of waste and grey water may include but are not limited to portable septic systems and/or portable waste gathering systems (i.e. portable toilets).
- F. After the rig is moved out and the well is either completed or abandoned, all waste materials will be cleaned up within 30 days. In the event of a dry hole only a dry hole marker will remain.

**7. Ancillary Facilities:**

No airstrip, campsite or other facilities will be built as a result of the operation on this well.

**8. Well Site Layout:**

- A. The drill pad layout, with elevations staked by Harcrow Surveying, is shown in the Elevation Plat. Dimensions of the pad and pits are shown on the Rig Layout. V door direction is East. Topsoil, if available, will be stockpiled per BLM specifications. Because the pad is almost level no major cuts will be required.
- B. The Rig Layout Closed-Loop exhibit shows the proposed orientation of closed loop system and access road. No permanent living facilities are planned, but a temporary foreman/toolpusher's trailer will be on location during the drilling operations.

**9. Plans for Restoration of the Surface:**

- A. Interim Reclamation will take place after the well has been completed. The pad will be downsized by reclaiming the areas not needed for production operations. The portions of the pad that are not needed for production operations will be re-contoured to its original state as much as possible. The caliche that is removed will be reused to either build another pad site or for road repairs within the lease. The stockpiled topsoil will then be spread out reclaimed area and reseeded with a BLM approved seed mixture. In the event that the well must be worked over or maintained, it may be necessary to drive, park, and/or operate machinery on reclaimed land. This area will be repaired or reclaimed after work is complete.

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- B. Final Reclamation: Upon plugging and abandoning the well all caliche for well pad and lease road will be removed and surface will be recountoured to reflect its surroundings as much as possible. Caliche will be recycled for road repair or reused for another well pad within the lease. If any topsoil remains, it will be spread out and the area will be re-seeded with a BLM approved mixture and re-vegetated as per BLM orders.

#### **10. Surface Ownership:**

- A. The surface is owned by the U.S. Government and is administered by the Bureau of Land Management. The surface is multiple uses with the primary uses of the region for grazing of livestock and the production of oil and gas.
- B. The surface tenant is G&L Cattle, LLC, 23104 County Road 19, Springfield, CO 81073.
- C. The proposed road routes and surface location will be restored as directed by the BLM.

#### **11. Other Information:**

- A. The area around the well site is grassland and the topsoil is sandy. The vegetation is moderately sparse with native prairie grasses, some mesquite and shinnery oak. No wildlife was observed but it is likely that mule deer, rabbits, coyotes and rodents traverse the area.
- B. There is no permanent or live water in the immediate area.
- C. There are no dwellings within 2 miles of this location.
- D. If needed, a Cultural Resources Examination is being prepared by Boone Arch Services of NM, LLC., 2030 North Canal, Carlsbad, New Mexico, 88220, phone # 575-885-1352 and the results will be forwarded to your office in the near future. Otherwise, **COG will be participating in the Permian Basin MOA Program.**

#### **12. Bond Coverage:**

Bond Coverage is Statewide Bonds # NMB000740 and NMB000215

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**14. Lessee's and Operator's Representative:**

The COG Operating LLC representative responsible for assuring compliance with the surface use plan is as follows:

Sheryl Baker  
Drilling Superintendent  
COG Operating LLC  
2208 West Main Street  
Artesia, NM 88210  
Phone (575) 748-6940 (office)  
(432) 934-1873 (cell)

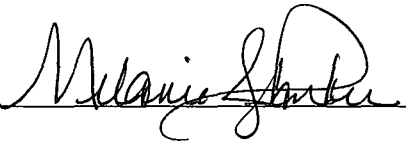
Ray Peterson  
Drilling Manager  
COG Operating LLC  
One Concho Center  
600 W Illinois Ave  
Midland, TX 79701  
Phone (432) 685-4304 (office)  
(432) 818-2254 (business)

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### OPERATOR CERTIFICATION

I hereby certify that I, or persons under my direct supervision, have inspected the drill site and access road proposed herein; that I am familiar with the conditions that presently exist; that I have full knowledge of State and Federal laws applicable to this operation; that the statements made in this APD package are, to the best of my knowledge, true and correct; and that the work associated with the operations proposed herein will be performed in conformity with this APD package and the terms and conditions under which it is approved. I also certify that I, or COG Operating LLC, am responsible for the operations conducted under this application. These statements are subject to the provisions of 18 U.S.C. 1001 for the filing of false statements. Executed this 28<sup>th</sup> day of August, 2014.

Signed: 

Printed Name: Melanie J. Parker

Position: Regulatory Coordinator

Address: 2208 W. Main Street, Artesia, NM 88210

Telephone: (575) 748-6940

Field Representative (if not above signatory): Rand French

E-mail: [mparker@concho.com](mailto:mparker@concho.com)



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**STATEMENT ACCEPTING RESPONSIBILITY FOR OPERATIONS**

The undersigned accepts all applicable terms, conditions, stipulations, and restrictions concerning operations conducted on the leased land or portion thereof, as described below:

Date:            August 28, 2014

Lease #:            NMNM0025566, NMNM 059045, NMNM0107698 & NMNM0001218  
SL East 30 Federal Com #2H

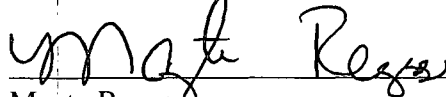
Legal Description:    SHL: Section 19. T19S. R32E, BHL: Section 30. T19S. R32E  
Lea County, New Mexico

Formation(s): Bone Spring

Bond Coverage: Statewide

BLM Bond File #: NMB000740 & NMB000215

COG OPERATING LLC



Mayte Reyes  
Regulatory Analyst

**DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
CASE RECORDATION  
(MASS) Serial Register Page**

Run Time: 08:42 AM

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Run Date: 08/14/2014

01 02-25-1920;041STAT0437;30USC226

Case Type 311111: O&G LSE NONCOMP PUB LAND

Commodity 459: OIL & GAS L

Case Disposition: AUTHORIZED

Total Acres  
320.000

Serial Number  
NMNM-- 0 025566

SHL

Serial Number: NMNM-- 0 025566

Name & Address			Int Rel	% Interest
COG OPERATING LLC	600 W ILLINOIS AVE	MIDLAND TX 797014882	OPERATING RIGHTS	0.000000000
CONCHO OIL & GAS LLC	600 W ILLINOIS AVE, ONE CONCHO CENTE	MIDLAND TX 797014882	OPERATING RIGHTS	0.000000000
DEVON ENERGY PROD CO LP	333 W SHERIDAN AVE	OKLAHOMA CITY OK 731025010	OPERATING RIGHTS	0.000000000
IRWIN DAN W	118 N GRANT ST	HINSDALE IL 60521	LESSEE	6.250000000
SCHUSTER KATHLEEN IRWIN	3213 PEPPERWOOD LN	FORT COLLINS CO 80525	LESSEE	6.250000000
WALLFAM LTD	1811 HERITAGE BLVD STE 200	MIDLAND TX 797079715	LESSEE	12.500000000
WK LAND CO	911 KIMBARK ST	LONGMONT CO 80501	OPERATING RIGHTS	0.000000000
WK LAND CO	911 KIMBARK ST	LONGMONT CO 80501	LESSEE	75.000000000
ZPZ DELAWARE I LLC	2000 POST OAK BLVD STE 100	HOUSTON TX 770564497	OPERATING RIGHTS	0.000000000

Serial Number: NMNM-- 0 025566

Mer Twp	Rng	Sec	STyp	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23	0190S	0320E	019	ALIQ	E2;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT

Serial Number: NMNM-- 0 025566

Act Date	Code	Action	Action Remark	Pending Office
08/13/1956	124	APLN RECD		
08/31/1956	237	LEASE ISSUED		
09/01/1956	496	FUND CODE	05;145003	
09/01/1956	530	RLTY RATE - 12 1/2%		
09/01/1956	868	EFFECTIVE DATE		
03/14/1957	650	HELD BY PROD - ACTUAL		
03/14/1957	658	MEMO OF 1ST PROD-ACTUAL		
04/19/1957	315	RENTAL RATE DET/ADJ	\$1.00;	
05/17/1960	232	LEASE COMMITTED TO UNIT	NMNM70982X;LUSK DEEP	
10/05/1960	660	MEMO OF 1ST PROD-ALLOC	LUSK DEEP UA	
05/17/1965	940	NAME CHANGE RECOGNIZED	SRN CA PETRO/SCOPE	
06/17/1981	932	TRF OPER RGTS FILED	(1)	
06/17/1981	932	TRF OPER RGTS FILED	(2)	
09/16/1981	932	TRF OPER RGTS FILED		
04/01/1983	932	TRF OPER RGTS FILED		
05/10/1983	933	TRF OPER RGTS APPROVED	EFF 05/01/83;	
10/24/1986	933	TRF OPER RGTS APPROVED	(1) EFF 07/01/81;	
10/24/1986	933	TRF OPER RGTS APPROVED	(2) EFF 07/01/81;	
10/24/1986	933	TRF OPER RGTS APPROVED	EFF 10/01/81;	
02/11/1988	974	AUTOMATED RECORD VERIF	JAM/EB	
05/16/1988	817	MERGER RECOGNIZED	KANEB ETAL/KANEB ENE	
03/01/1991	396	TRF OF INTEREST FILED	CLBRTSN/CLBRTSN TRUST	
03/01/1991	974	AUTOMATED RECORD VERIF	GLC/GC	
08/14/1992	932	TRF OPER RGTS FILED	HONDO O&G/DEVON ENE	
11/20/1992	933	TRF OPER RGTS APPROVED	EFF 09/01/92;	
11/20/1992	974	AUTOMATED RECORD VERIF	JLV/JS	
11/30/1992	963	CASE MICROFILMED	CNUM 106,778 RGO	
06/30/1993	932	TRF OPER RGTS FILED	DEVON ENE/DEVON CORP	
09/17/1993	933	TRF OPER RGTS APPROVED	EFF 07/01/93;	
09/17/1993	974	AUTOMATED RECORD VERIF	BCO/KRP	

**DEPARTMENT OF THE INTERIOR  
BUREAU OF LAND MANAGEMENT  
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05/23/1994	909	BOND ACCEPTED	EFF 05/06/94;NM2304
06/28/1994	974	AUTOMATED RECORD VERIF	BTM/KRP
10/27/1995	932	TRF OPER RGTS FILED	PHILLIPS/MARBOB ENE
12/12/1995	933	TRF OPER RGTS APPROVED	EFF 11/01/95;
12/12/1995	974	AUTOMATED RECORD VERIF	ANN
10/10/1997	899	TRF OF ORR FILED	
11/07/1997	932	TRF OPER RGTS FILED	PARKER ETAL/MARBOB
12/16/1997	933	TRF OPER RGTS APPROVED	EFF 12/01/97;
12/16/1997	974	AUTOMATED RECORD VERIF	ANN
03/22/2000	899	TRF OF ORR FILED	
11/22/2000	817	MERGER RECOGNIZED	DEVONENE/DEVONENEPD
12/11/2001	932	TRF OPER RGTS FILED	ARCO/AMOCO
01/07/2002	396	TRF OF INTEREST FILED	IRWIN EST/K SCHUSTER
01/07/2002	396	TRF OF INTEREST FILED	W IRWIN EST/DAN IRWIN
01/07/2002	974	AUTOMATED RECORD VERIF	BTM
04/02/2002	933	TRF OPER RGTS APPROVED	EFF 01/01/02;
04/02/2002	974	AUTOMATED RECORD VERIF	MV
06/21/2002	940	NAME CHANGE RECOGNIZED	AMOCO/BP AMERICA PROD
09/29/2008	140	ASGN FILED	SCOPE INDU/W K LAND;1
09/29/2008	932	TRF OPER RGTS FILED	SCOPE INDU/W K LAND;1
11/06/2008	139	ASGN APPROVED	EFF 10/01/08;
11/06/2008	933	TRF OPER RGTS APPROVED	EFF 10/01/08;
11/06/2008	974	AUTOMATED RECORD VERIF	MV
03/22/2010	140	ASGN FILED	CULBERTSON/WALLFAM;1
05/20/2010	139	ASGN APPROVED	EFF 04/01/2010;
05/20/2010	974	AUTOMATED RECORD VERIF	MJD
04/18/2011	932	TRF OPER RGTS FILED	MARBOB EN/COG OPERA;1
05/10/2011	932	TRF OPER RGTS FILED	BP AMERIC/ZPZ DELAW;1
08/11/2011	933	TRF OPER RGTS APPROVED	EFF 05/01/2011;
08/11/2011	974	AUTOMATED RECORD VERIF	JS
09/02/2011	933	TRF OPER RGTS APPROVED	EFF 06/01/11;
09/02/2011	974	AUTOMATED RECORD VERIF	BTM

Serial Number: NMNM-- 0 025566

Line Nr	Remarks
0002	BONDED LESSEES/OPERATORS:
0003	11/06/08 - CULBERTSON - NM2900/SW
0004	08/11/11 - COG OPERATING LLC - NMB000740
0005	09/02/11 - WK LAND CO - NM/SW - NMB000802

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BUREAU OF LAND MANAGEMENT  
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Run Date: 06/27/2013

01 02-25-1920;041STAT0437;30USC226

Case Type 311111: O&G LSE NONCOMP PUB LAND

Commodity 459: OIL & GAS L

Case Disposition: AUTHORIZED

Total Acres  
120.000

Serial Number  
NMNM-- 0 001218

Name & Address			Serial Number: NMNM-- 0 001218	
			Int Rel	% Interest
BLUESTEM ENERGY ASSEST LLC	301 COMMERCE ST	FORT WORTH TX 761024140	OPERATING RIGHTS	0.0000000
ELLIOTT HALL CO UT LP	PO BOX 1231	OGDEN UT 844021231	LESSEE	50.0000000
ELLIOTT INDUSTRIES LTD	PO BOX 1328	SANTA FE NM 875041328	LESSEE	50.0000000
PTNRSHIP				
SHARBRO ENERGY LLC	PO BOX 840	ARTESIA NM 882110840	OPERATING RIGHTS	0.0000000
SHARBRO OIL LTD CO	423 W MAIN ST	ARTESIA NM 88210	OPERATING RIGHTS	0.0000000
TENISON OIL CO	1925 HOSPITAL PL	ABILENE TX 796065239	OPERATING RIGHTS	0.0000000
YATES INDUSTRIES LLC	PO BOX 1091	ARTESIA NM 882111091	OPERATING RIGHTS	0.0000000

Serial Number: NMNM-- 0 001218					
Mer Twp	Rng	Sec	SType	SNr Suff	Subdivision
23 0190S	0320E	030	ALIQ		E2SW,NENE;

District/Field Office	County	Mgmt Agency
CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT

**Relinquished/Withdrawn Lands**

Serial Number: NMNM-- 0 001218

23 0190S 0320E 730	FF	NWNE,ASGN;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23 0190S 0320E 712	FF	S2,S2N2,WDN;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23 0190S 0320E 713	FF	ALL,WDN;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23 0190S 0320E 725	FF	ALL,WDN;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
23 0190S 0320E 724	FF	ALL,WDN;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT

Serial Number: NMNM-- 0 001218					
Act Date	Code	Action	Action Remark	Pending Office	
01/03/1950	124	APLN RECD			
02/01/1950	131	APLN WITHDRAWN IN PART			
04/01/1952	237	LEASE ISSUED			
05/01/1952	496	FUND CODE	05;145003		
05/01/1952	530	RLTY RATE - 12 1/2%			
05/01/1952	868	EFFECTIVE DATE	MCCLELLAN/HALL		
10/07/1952	140	ASGN FILED	MCCLELLAN/HALL		
06/04/1953	139	ASGN APPROVED	EFF 11/01/52;		
08/09/1957	235	EXTENDED	THRU 04/30/62;		
04/01/1962	235	EXTENDED	THRU 03/01/64;		
04/01/1962	570	CASE SEGREGATED BY ASGN	INTO NMNM01218-A;		
07/01/1962	140	ASGN FILED	EDNA HALL/ELLIOT		
08/01/1962	139	ASGN APPROVED	EFF 08/01/62;		
01/07/1963	500	GEOGRAPHIC NAME	UNDEFINED FLD;		
01/07/1963	510	KMA CLASSIFIED			
01/07/1963	650	HELD BY PROD - ACTUAL			
01/07/1963	658	MEMO OF 1ST PROD-ACTUAL			
03/28/1963	102	NOTICE SENT-PROD STATUS			
06/17/1981	932	TRF OPER RGTS FILED	(1)		
06/17/1981	932	TRF OPER RGTS FILED	(2)		
10/24/1986	933	TRF OPER RGTS APPROVED	(1)EFF 07/01/81;		
10/24/1986	933	TRF OPER RGTS APPROVED	(2)EFF 07/01/81;		
05/19/1987	974	AUTOMATED RECORD VERIF	CJC/CC		
07/02/1987	963	CASE MICROFILMED	CNUM 101,133 RW		
03/03/1989	396	TRF OF INTEREST FILED	M YATES/YATES ET AL		
03/03/1989	974	AUTOMATED RECORD VERIF	DGT/DH		

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12/03/1990	140	ASGN FILED	TRITON O&G/TENISON
02/20/1991	269	ASGN DENIED	TRITON O&G/TENISON
02/20/1991	974	AUTOMATED RECORD VERIF	GLC/GC
09/28/1992	932	TRF OPER RGTS FILED	TRITON O&G/TENISON
01/28/1993	933	TRF OPER RGTS APPROVED	EFF 10/01/92;
01/28/1993	974	AUTOMATED RECORD VERIF	SSP/JS
08/28/1995	932	TRF OPER RGTS FILED	EST M YATES/SHARBRO
10/11/1995	933	TRF OPER RGTS APPROVED	EFF 09/01/95;
10/11/1995	974	AUTOMATED RECORD VERIF	MV/MV
04/21/1997	140	ASGN FILED	ELLIOTT/ELLIOTT
04/30/1997	522	CA TERMINATED	SW-77;
05/19/1997	139	ASGN APPROVED	EFF 05/01/97;
05/19/1997	974	AUTOMATED RECORD VERIF	ANN
06/01/2001	246	LEASE COMMITTED TO CA	NMNM111030;
06/01/2001	660	MEMO OF 1ST PROD-ALLOC	/1/
11/15/2001	940	NAME CHANGE RECOGNIZED	ELLIOTT CO/LTD PTNRSH
03/19/2004	643	PRODUCTION DETERMINATION	/1/NMNM111030
08/25/2004	932	TRF OPER RGTS FILED	L YATES EST/SHABRO
09/10/2004	933	TRF OPER RGTS APPROVED	EFF 09/01/04;
09/10/2004	974	AUTOMATED RECORD VERIF	ANN
08/07/2009	932	TRF OPER RGTS FILED	REX ENERG/ADVENTURE;1
01/08/2010	933	TRF OPER RGTS APPROVED	EFF 09/01/09;
01/08/2010	974	AUTOMATED RECORD VERIF	MV
11/22/2011	932	TRF OPER RGTS FILED	ADVENTURE/BLUESTEM;1
01/05/2012	932	TRF OPER RGTS FILED	SHARBRO O/SHARBRO E;1
01/27/2012	933	TRF OPER RGTS APPROVED	EFF 12/01/11;
01/27/2012	974	AUTOMATED RECORD VERIF	MJD
05/18/2012	933	TRF OPER RGTS APPROVED	EFF 02/01/12;
05/23/2012	974	AUTOMATED RECORD VERIF	ANN

Serial Number: NMNM-- 0 001218

Line Nr	Remarks
0002	-
0003	01/08/10 YATES DRILLING CO BONDED OPER NMB000387/SW
0004	01/27/12 - OPERATOR BLUESTEM BONDED NMB000842 S/W

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**01 02-25-1920;041STAT0437;30USC226**

**Case Type 311111: O&G LSE NONCOMP PUB LAND**

**Commodity 459: OIL & GAS L**

**Case Disposition: AUTHORIZED**

**Total Acres**

**120.000**

**Serial Number**

**NMNM-- 0 107698**

			<b>Serial Number: NMNM-- 0 107698</b>		
<b>Name &amp; Address</b>			<b>Int Rel</b>	<b>% Interest</b>	
APACHE CORP	2000 POST OAK BLVD STE 100	HOUSTON TX 770564400	OPERATING RIGHTS	0.0000000	
BLUESTEM ENERGY ASSEST LLC	301 COMMERCE ST	FORT WORTH TX 761024140	OPERATING RIGHTS	0.0000000	
CHASE OIL CORP	PO BOX 1767	ARTESIA NM 882111767	OPERATING RIGHTS	0.0000000	
CHISOS LTD	670 DONA ANA RD SW	DEMING NM 88030	OPERATING RIGHTS	0.0000000	
COG OPERATING LLC	600 W ILLINOIS AVE, ONE CONCHO CENTE	MIDLAND TX 79701	OPERATING RIGHTS	0.0000000	
COG OPERATING LLC	600 W ILLINOIS AVE, ONE CONCHO CENTE	MIDLAND TX 79701	LESSEE	47.5000000	
CONCHO OIL & GAS LLC	600 W ILLINOIS AVE, ONE CONCHO CENTE	MIDLAND TX 797014882	OPERATING RIGHTS	0.0000000	
CONCHO OIL & GAS LLC	600 W ILLINOIS AVE, ONE CONCHO CENTE	MIDLAND TX 797014882	LESSEE	2.5000000	
CONOCOPHILLIPS CO	PO BOX 7500	BARTLESVILLE OK 740057500	LESSEE	50.0000000	
DORCHESTER MASTER	PO BOX 3178	MIDLAND TX 797023178	OPERATING RIGHTS	0.0000000	
PETROHAWK ENERGY CORP	1100 LOUISIANA ST # 5600	HOUSTON TX 770025227	OPERATING RIGHTS	0.0000000	
PIONEER NATURAL RES USA INC	1401 17TH ST #1200	DENVER CO 80202	OPERATING RIGHTS	0.0000000	

**Serial Number: NMNM-- 0 107698**

Mer Twp	Rng	Sec	SType	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23 0190S	0320E	030	ALIQ		E2NW,SENE;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT

**Relinquished/Withdrawn Lands**

**Serial Number: NMNM-- 0 107698**

23 0190S	0320E	730	FF		SWNE,ASGN;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT
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**Serial Number: NMNM-- 0 107698**

Act Date	Code	Action	Action Remark	Pending Office
07/31/1951	387	CASE ESTABLISHED		
08/01/1951	237	LEASE ISSUED		
08/01/1951	496	FUND CODE	05;145003	
08/01/1951	530	RLTY RATE - 12 1/2%		
08/01/1951	868	EFFECTIVE DATE		
05/17/1960	209	CASE CREATED BY SEGR	OUT OF NMLC064198A;	
04/01/1962	570	CASE SEGREGATED BY ASGN	INTO NMNM0107698-A;	
11/20/1962	246	LEASE COMMITTED TO CA	SW 117	
12/12/1962	246	LEASE COMMITTED TO CA	SW 71	
03/30/1963	500	GEOGRAPHIC NAME	LUSK FLD;	
03/30/1963	510	KMA CLASSIFIED		
03/30/1963	650	HELD BY PROD - ACTUAL		
07/08/1963	102	NOTICE SENT-PROD STATUS		
10/10/1979	909	BOND ACCEPTED	EFF 10/10/79;MT0244	
06/17/1981	932	TRF OPER RGTS FILED	(1)	
06/17/1981	932	TRF OPER RGTS FILED	(2)	
08/28/1981	932	TRF OPER RGTS FILED		
09/16/1981	932	TRF OPER RGTS FILED		
02/01/1982	246	LEASE COMMITTED TO CA	NMNM94489;	
10/24/1986	933	TRF OPER RGTS APPROVED	(1)EFF 07/01/81;	
10/24/1986	933	TRF OPER RGTS APPROVED	(2)EFF 07/01/81;	
10/24/1986	933	TRF OPER RGTS APPROVED	EFF 09/01/81;	
10/24/1986	933	TRF OPER RGTS APPROVED	EFF 10/01/81;	
08/24/1987	974	AUTOMATED RECORD VERIF	GG/LR	
08/19/1988	963	CASE MICROFILMED	CNUM 104,920	
06/01/1989	932	TRF OPER RGTS FILED	KANEB ENE/AMAX O&G	
07/06/1989	933	TRF OPER RGTS APPROVED	EFF 07/01/89;	

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07/06/1989	974	AUTOMATED RECORD VERIF	GLC/MT
01/05/1990	932	TRF OPER RGTS FILED	AMAX OG/DAMSON
06/28/1990	933	TRF OPER RGTS APPROVED	EFF 02/01/90;
06/28/1990	974	AUTOMATED RECORD VERIF	TF/MT
09/25/1991	932	TRF OPER RGTS FILED	DAMSON INS/P & P ETAL
09/25/1991	932	TRF OPER RGTS FILED	DORCHESTER/DORCHESTER
09/25/1991	932	TRF OPER RGTS FILED	DORCHESTER/P & P ETAL
12/04/1991	933	TRF OPER RGTS APPROVED	(1)EFF 10/01/91;
12/04/1991	933	TRF OPER RGTS APPROVED	(2)EFF 10/01/91;
12/04/1991	974	AUTOMATED RECORD VERIF	AR/CG
01/09/1992	933	TRF OPER RGTS APPROVED	EFF 10/01/91;
01/09/1992	974	AUTOMATED RECORD VERIF	BW/CG
04/09/1992	932	TRF OPER RGTS FILED	(1)DAMSON/P&P DEV CO
04/09/1992	932	TRF OPER RGTS FILED	(2)DAMSON/P&P DEV CO
06/16/1992	933	TRF OPER RGTS APPROVED	(1)EFF 05/01/92;
06/16/1992	933	TRF OPER RGTS APPROVED	(2)EFF 05/01/92;
06/16/1992	974	AUTOMATED RECORD VERIF	ST/JS
06/16/1992	974	AUTOMATED RECORD VERIF	ITV/JLV
12/27/1994	817	MERGER RECOGNIZED	PARKER&PARSLEY/MIDPAR
12/12/1995	940	NAME CHANGE RECOGNIZED	MIDPAR/PARKER&PARSLEY
08/05/1996	140	ASGN FILED	KERR-MCGEE/MARBOB
08/05/1996	899	TRF OF ORR FILED	
08/05/1996	932	TRF OPER RGTS FILED	KERR-MCGEE/MARBOB
10/22/1996	139	ASGN APPROVED	EFF 09/01/96;
10/22/1996	933	TRF OPER RGTS APPROVED	EFF 09/01/96;
10/22/1996	974	AUTOMATED RECORD VERIF	JLV
10/03/1997	817	MERGER RECOGNIZED	MESA OPER/PIONEER
10/03/1997	817	MERGER RECOGNIZED	PARKR&PARSLEY/PIONEER
07/07/1998	451	DEFAULT DETERMINED	ROYALTY;MMS
09/08/1998	453	DEFAULT CORRECTED	
09/08/1998	974	AUTOMATED RECORD VERIF	BTM
08/24/1999	932	TRF OPER RGTS FILED	PIONEER/PRIZE ENERGY
12/13/1999	933	TRF OPER RGTS APPROVED	EFF 09/01/99;
12/13/1999	974	AUTOMATED RECORD VERIF	ANN
06/02/2000	932	TRF OPER RGTS FILED	PHILLIPS/BELLWETHER
08/03/2000	933	TRF OPER RGTS APPROVED	EFF 07/01/00;
08/03/2000	974	AUTOMATED RECORD VERIF	JLV
06/01/2001	246	LEASE COMMITTED TO CA	NMNM111030;
06/01/2001	660	MEMO OF 1ST PROD-ALLOC	/1/
08/09/2002	940	NAME CHANGE RECOGNIZED	BELLWETHER/MISSION
01/16/2003	817	MERGER RECOGNIZED	CONOCO/CONOCOPHILLIPS
06/30/2003	932	TRF OPER RGTS FILED	CONOCOPHILLIPS/CHASE
07/18/2003	933	TRF OPER RGTS APPROVED	EFF 07/01/03;
07/18/2003	974	AUTOMATED RECORD VERIF	ANN
10/31/2003	932	TRF OPER RGTS FILED	1
11/24/2003	933	TRF OPER RGTS APPROVED	EFF 11/01/03;
11/24/2003	974	AUTOMATED RECORD VERIF	JLV
03/19/2004	643	PRODUCTION DETERMINATION	/1/NMNM111030
11/06/2006	932	TRF OPER RGTS FILED	PURE ENER/EDGE PETR;1
12/15/2006	933	TRF OPER RGTS APPROVED	EFF 12/01/06;
12/15/2006	974	AUTOMATED RECORD VERIF	MV
02/11/2008	932	TRF OPER RGTS FILED	CHISOS/EDGE PETRO E;1
04/08/2008	933	TRF OPER RGTS APPROVED	EFF 03/01/08;
04/08/2008	974	AUTOMATED RECORD VERIF	MV
03/26/2009	817	MERGER RECOGNIZED	MISSION/PETROHAWK ENE

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08/07/2009	932	TRF OPER RGTS FILED	REX ENERG/ADVENTURE;1
11/18/2009	933	TRF OPER RGTS APPROVED	EFF 09/01/09;
11/18/2009	974	AUTOMATED RECORD VERIF	MV
04/18/2011	140	ASGN FILED	MARBOB EN/COG OPERA;1
04/18/2011	140	ASGN FILED	MARBOB EN/COG OPERA;2
04/18/2011	932	TRF OPER RGTS FILED	MARBOB EN/COG OPERA;1
04/19/2011	932	TRF OPER RGTS FILED	MARBOB EN/COG OPERA;1
04/19/2011	932	TRF OPER RGTS FILED	MARBOB EN/COG OPERA;2
06/20/2011	933	TRF OPER RGTS APPROVED	EFF 05/01/11;1
06/20/2011	933	TRF OPER RGTS APPROVED	EFF 05/01/11;2
06/20/2011	974	AUTOMATED RECORD VERIF	RAYO/RAYO
06/24/2011	933	TRF OPER RGTS APPROVED	EFF 05/01/2011;1
06/24/2011	974	AUTOMATED RECORD VERIF	MJD
07/12/2011	139	ASGN APPROVED	EFF 05/01/11;1
07/12/2011	974	AUTOMATED RECORD VERIF	MV
08/11/2011	269	ASGN DENIED	MARBOB EN/COG OPERA
08/11/2011	974	AUTOMATED RECORD VERIF	JS
11/22/2011	932	TRF OPER RGTS FILED	ADVENTURE/BLUESTEM;1
12/06/2011	932	TRF OPER RGTS FILED	EDGE PETROLE/APACHE;1
01/25/2012	933	TRF OPER RGTS APPROVED	EFF 01/01/12;
01/25/2012	974	AUTOMATED RECORD VERIF	LBO
01/27/2012	933	TRF OPER RGTS APPROVED	EFF 12/01/11;
01/27/2012	974	AUTOMATED RECORD VERIF	MJD

Serial Number: NMNM-- 0 107698

Line Nr	Remarks
0002	-
0003	MARBOB BONDED LESSEE NMB000412/SW
0004	06/20/2011 - BONDED LESSEE PER ABSS
0005	MARBOB BONDED LESSEE NMB000412/SW
0006	06/20/2011 - BONDED TRANSFEREE PER ABSS
0007	COG OPERATING LLC NMB000215 NM S/W
0008	08/11/11 - DUPLICATE ASSIGNMENT - ASSIGNMENT DENIED
0009	01/27/12 - OPERATOR BLUESTEM BONDED NMB000842 S/W



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01 02-25-1920;041STAT0437;30USC181ETSEQ

Total Acres

Serial Number

Case Type 312011: O&G LSE COMP PUBLIC

160.000

NMNM-- - 059045

Commodity 459: OIL & GAS L

Case Disposition: AUTHORIZED

Serial Number: NMNM-- - 059045

Name & Address			Int Rel	% Interest
BLUESTEM ENERGY.ASSEST LLC	301 COMMERCE ST	FORT WORTH TX 761024140	OPERATING RIGHTS	0.0000000
COG OPERATING LLC	600 W ILLINOIS AVE, ONE CONCHO CENTE	MIDLAND TX 79701	OPERATING RIGHTS	0.0000000
COG OPERATING LLC	600 W ILLINOIS AVE, ONE CONCHO CENTE	MIDLAND TX 79701	LESSEE	95.0000000
CONCHO OIL & GAS LLC	600 W ILLINOIS AVE, ONE CONCHO CENTE	MIDLAND TX 797014882	OPERATING RIGHTS	0.0000000
CONCHO OIL & GAS LLC	600 W ILLINOIS AVE, ONE CONCHO CENTE	MIDLAND TX 797014882	LESSEE	5.0000000

Serial Number: NMNM-- - 059045

Mer Twp	Rng	Sec	STyp	SNr Suff	Subdivision	District/Field Office	County	Mgmt Agency
23 0190S	0320E	030	ALIQ		SE;	CARLSBAD FIELD OFFICE	LEA	BUREAU OF LAND MGMT

Serial Number: NMNM-- - 059045

Act Date	Code	Action	Action Remark	Pending Office
06/19/1984	387	CASE ESTABLISHED	PARCEL #39;	
06/20/1984	196	BID ACCEPTED		
07/03/1984	600	RECORDS NOTED		
08/21/1984	237	LEASE ISSUED		
09/01/1984	496	FUND CODE	05;145003	
09/01/1984	532	RLTY RATE 12.5-25% SCH B		
09/01/1984	868	EFFECTIVE DATE		
09/12/1984	600	RECORDS NOTED		
03/28/1985	909	BOND ACCEPTED	EFF 02/04/85;CO0058	
08/07/1985	111	RENTAL RECEIVED	\$0;85-86	
02/20/1986	140	ASGN FILED	MTS LTD/TEXACO INC	
05/05/1986	139	ASGN APPROVED	EFF 03/01/86;	
06/12/1986	963	CASE MICROFILMED	CNUM 550,391 GLC	
08/21/1986	111	RENTAL RECEIVED	\$0;86-87	
08/17/1987	111	RENTAL RECEIVED	\$0;87-88	
09/01/1987	650	HELD BY PROD - ACTUAL		
07/16/1988	974	AUTOMATED RECORD VERIF	JA/JA	
09/09/1991	140	ASGN FILED	TEXACO OILS/EXPL&PROD	
12/06/1991	139	ASGN APPROVED	EFF 10/01/91;	
12/06/1991	974	AUTOMATED RECORD VERIF	AR/JLV	
10/01/1992	621	RLTY RED-STRIPPER WELL	6.9%;/1/	
03/31/1993	625	RLTY REDUCTION APPV	/1/	
04/20/1993	575	APD FILED	TEXACO EXPLOR & PROD	
05/17/1993	974	AUTOMATED RECORD VERIF	JT	
06/21/1993	576	APD APPROVED	#2 FEDERAL USA J	
01/10/1994	575	APD FILED	TEXACO EXPLOR & PROD	
03/03/1994	576	APD APPROVED	3 FED USA J	
03/03/1994	576	APD APPROVED	4 FED USA J	
03/03/1994	576	APD APPROVED	5 FED USA J	
05/01/2000	140	ASGN FILED	TEXACO E&P/MARBOB	
06/27/2000	139	ASGN APPROVED	EFF 06/01/2000	
06/27/2000	974	AUTOMATED RECORD VERIF	ANN	
06/01/2001	246	LEASE COMMITTED TO CA	NMNM111030;	

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06/01/2001	660	MEMO OF 1ST PROD-ALLOC	/2/
03/19/2004	643	PRODUCTION DETERMINATION	/2/NMNM111030
08/07/2009	932	TRF OPER RGTS FILED	REX ENERG/ADVENTURE;1
08/07/2009	932	TRF OPER RGTS FILED	REX ENERG/ADVENTURE;2
11/18/2009	933	TRF OPER RGTS APPROVED	01 EFF 09/01/09;
11/18/2009	933	TRF OPER RGTS APPROVED	EFF 09/01/09;
11/18/2009	974	AUTOMATED RECORD VERIF	MV
04/18/2011	140	ASGN FILED	MARBOB EN/COG OPERA;1
04/18/2011	932	TRF OPER RGTS FILED	MARBOB EN/COG OPERA;1
06/01/2011	246	LEASE COMMITTED TO CA	CA NM126956
08/11/2011	139	ASGN APPROVED	EFF 05/01/2011;
08/11/2011	933	TRF OPER RGTS APPROVED	EFF 05/01/2011;
08/11/2011	974	AUTOMATED RECORD VERIF	JS
11/22/2011	932	TRF OPER RGTS FILED	ADVENTURE/BLUESTEM;1
01/27/2012	933	TRF OPER RGTS APPROVED	EFF 12/01/11;
01/27/2012	974	AUTOMATED RECORD VERIF	MJD

**Serial Number: NMNM-- - 059045**

Line Nr	Remarks
0002	-
0003	11/18/09 MARBOB BONDED LESSEE NMB000412/SW
0004	08/11/2011 - COG OPERATING LLC BONDED - NMB000740
0005	01/27/2012 - OPERATOR BLUESTEM BONDED NMB000842 S/W



# New Mexico Office of the State Engineer Water Column/Average Depth to Water

(A CLW##### in the  
POD suffix indicates the  
POD has been replaced  
& no longer serves a  
water right file.)

(R=POD has  
been replaced,  
O=orphaned,  
C=the file is  
closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	POD		Q Q Q				Sec	Tws	Rng	X	Y	Depth Well	Depth Water	Water Column
	Code	basin	County	64	16	4								
CP 00563			LE	1	1	2	19	19S	32E	612118	3613376*	300		
CP 00640			LE	2	2	19	19S	32E	612621	3613280*		260	102	158

Average Depth to Water: **102 feet**

Minimum Depth: **102 feet**

Maximum Depth: **102 feet**

**Record Count: 2**

**PLSS Search:**

**Section(s): 19**

**Township: 19S**

**Range: 32E**

\*UTM location was derived from PLSS - see Help

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# *New Mexico Office of the State Engineer* **Water Column/Average Depth to Water**

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No records found.

**PLSS Search:**

**Section(s):** 30

**Township:** 19S

**Range:** 32E



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW##### in the  
POD suffix indicates the  
POD has been replaced  
& no longer serves a  
water right file.)

(R=POD has  
been replaced,

O=orphaned,

C=the file is (quarters are 1=NW 2=NE 3=SW 4=SE)

closed) (quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

POD Number	POD		Q Q Q					X	Y	Depth Depth Water		
	Sub-	Code	basin	County	64	16	4	Sec	Tws	Rng	Well	Water Column
<u>CP 00073</u>		LE			2	4	34	19S	32E	617502	3609301*	575
<u>CP 00075</u>		LE			2	4	34	19S	32E	617502	3609301*	575
<u>CP 00639 EXPL</u>		LE			3	1	20	19S	32E	613029	3612880*	350 345 5
<u>CP 00640 EXPL</u>		LE			2	2	19	19S	32E	612621	3613280*	260 102 158

Average Depth to Water: **223 feet**

Minimum Depth: **102 feet**

Maximum Depth: **345 feet**

Record Count: 4

PLSS Search:

**Township:** 19S

**Range:** 32E

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.