A15-08-936 E1-09-523

OCD-ARTESIA

DEPARTMENT	MAY 27 2009 OF THE INTERIOR AND MANAGEMENT	FORM APPROVED OMB No 1004-0137 Expires March 31, 2007 5. Lease Serial No. NM-95630
APPLICATION FOR PE	RMIT TO DRILL OR REENTER	6. If Indian, Allotce or Tribe Name N/A
la. Type of work: DRILL	REENTER .	7 If Unit or CA Agreement, Name and No N/A
lb. Type of Well	Other Single Zone Multiple Zone	8. Lease Name and Well No Black Hawk 11 Fed Corn #2
2. Name of Operator COG Operating LLC		9 API Well No. 30-015-37 106
3a Address	3b. Phone No. (include area code)	10. Field and Pool, or Exploratory
550 W. Texas, Suite 1300 Midland T	TX 79701 (432) 685-4385	Grow Elett, Abo
4. Location of Well (Report location clearly and in acc	cordance with any State requirements.*)	11. Sec., T. R. M. or Blk and Survey or Area
At surface 1800' FSL & 1590' FW At proposed prod. zone 1650' FSL & 330' FE	VL, U ROSWELL CONTROLL ED WATER I	BASIN _{Sec 11, T16S, R28E}
14. Distance in miles and direction from nearest town or		12 County or Parish 13. State Eddy NM
15. Distance from proposed* location to nearest property or lease line, ft (Also to nearest drig, unit line, if any)		ing Unit dedicated to this well
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 450	Pilot Hole 6850	VBIA Bond No on file B000215
21. Elevations (Show whether DF, KDB, RT, GL, etc.) 3576' GL) 22 Approximate date work will start* 04/01/2009	23. Estimated duration 10 days
	24. Attachments	
The following, completed in accordance with the requirem 1. Well plat certified by a registered surveyor.		this form: ons unless covered by an existing bond on file (see
A Drilling Plan. A Surface Use Plan (if the location is on National F SUPO shall be filed with the appropriate Forest Service).		formation and/or plans as may be required by the
25. Signature Phyllis Q + C	Name (Printed Typed) Phyllis A. Edwards	Date 02/27/2009
Title Regulatory Analyst		
Approved by (Signature) /S/ Don Peterson	/s/ Don Pete	erson DatMAY 2 2 200
FIELD MANAGE	ER CARLSBAD FIE	LD OFFICE
Application approval does not warrant or certify that the conduct operations thereon. Conditions of approval, if any, are attached.	applicant holds legal or equitable title to those rights in the su	AL FORT Powering mind restriction to
Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 121 States any false, fictitious or fraudulent statements or repr	12, make it a crime for any person knowingly and willfully to resentations as to any matter within its jurisdiction.	make to any department or agency of the United

*(Instructions on page 2)

SEE ATTACHED FOR CONDITIONS OF APPROVAL

APPROVAL SUBJECT TO GENERAL REQUIREMENTS AND SPECIAL STIPULATIONS ATTACHED

Before the Oil Conservation Division Case Nos. 14323, 14382, 14365 & 14366 Hearing May 20, 2010 Chesapeake Energy Corporation & Chesapeake Operating, Inc.

Exhibit No. _____

DISTRICT I 1625 N. French Dr., DISTRICT U

1820 S. St. Francis Dr., Santo Pt. NM 87606

DISTRICT III

DISTRICT IV

State of New Mexico Energy, Minerals and Natural Resources Department

Form C-102 Revised October 18, 2005

Submit to Appropriate District Office

OIL CONSERVATION DIVISION 1220 South St. Francis Dr. Santa Fe, New Mexico 87505 1000 Rio Brazos Ed., Anteo, NM 87410

State Lease - 4 Copies Fee Lease - 3 Copies

O AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

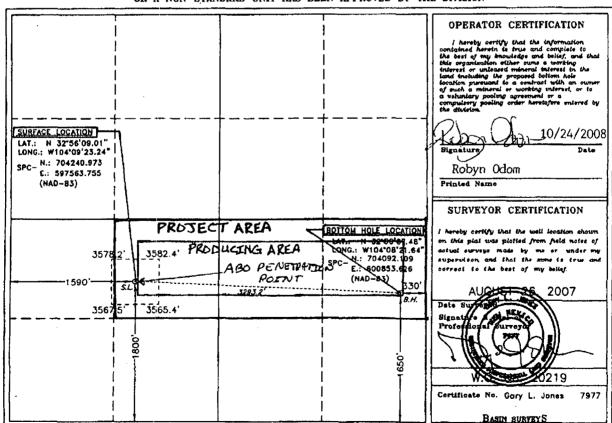
API Number	Pool Code	Pool Namo	
30-015-37106		Wildcat CROW FLATS; ABO	
Property Code	Pz	operty Name	Vell Number
37327	BLACKHAWK	"11" FEDERAL COM	2H
OGRID Nó.	O _F	orator Name	Klevation
229137	C.O.G. 01	PERATING L.L.C.	3576'
	Surf	face Location	

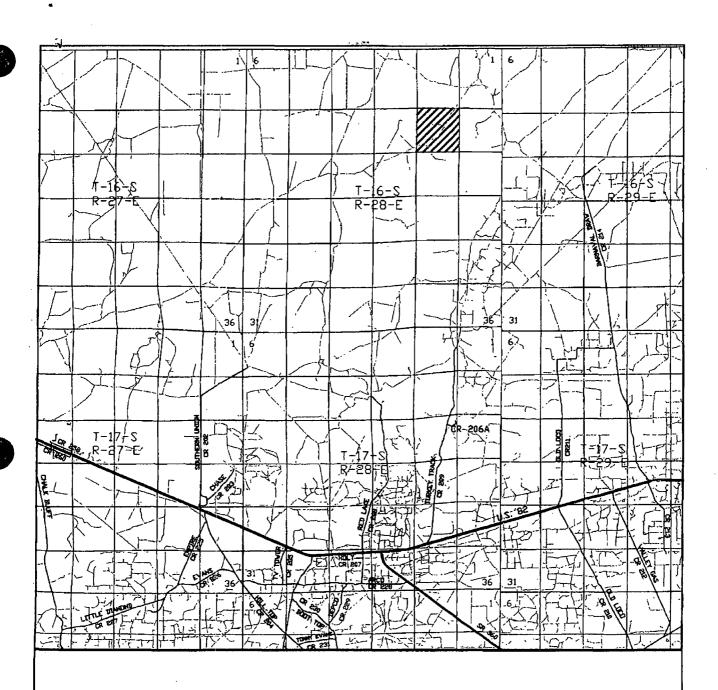
	UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
ĺ	K	11	16 S	28 E		1800	SOUTH	1590	WEST	EDDY

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
	11	16 S	28 E		1650	SOUTH	330	EAST	EDDY
Dedicated Acres	Joint o	Infill Co	molidation (ode Oz	ier No.				
120									

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





BLACKHAWK "11" FEDERAL COM #2H Located at 1800' FSL and 1590' FEL Section 11, Township 16 South, Range 28 East, N.M.P.M., Eddy County, New Mexico.



P.O. Box 1786 1120 N. West County Rd. Hobbs, New Mexico 88241 (575) 393-7316 — Office (575) 392-2206 — Fax basinsurveys.com

	W.O.	Nur	nber:	JMS	20219	
	Surve	ey [ate:	08-2	26-2008	
	Scale	: 1'	' = 2	MILES		
ľ	Date:	0	9-02	-2008	•	

C.O.G. OPERATING L.L.C. 3696

BLACKHAWK "11" FEDERAL COM #2H Located at 1800' FSL and 1590' FWL Section 11, Township 16 South, Range 28 East, N.M.P.M., Eddy County, New Mexico.



P.O. Box 1786 1120 N. West County Rd. Hobbs, New Mexico 88241 (575) 393-7316 — Office (575) 392-2206 — Fax basinsurveys.com

	W.O. Number: JMS 20219
	Survey Date: 08-26-2008
	Scale: 1" = 2000'
J	Dote: 09-02-2008

C.O.G. OPERATING L.L.C.

ATTACHMENT TO FORM 3160-3 COG Operating, LLC Blackhawk "11" Federal Com. #2H SL: 1650' FSL & 1650' FWL, Unit K BHL: 1650' FSL & 330' FEL, Unit I Sec 11, T16S, R28E Eddy County, NM

120 3-4-07 per operation am

1. Proration Unit Spacing: 160 Acres

2. Ground Elevation: 3576'

3. Proposed Depths: Pilot hole TD = 6850', Horizontal TVD = 6686', MD = 9709'

4. Estimated tops of geological markers:

Quaternary	Surface
Yates	400'
Queen	1130'
San Andres	1850'
Glorietta	3385'
San-Andres—Tubb	4580'
Abo Shale	5380'
Lower Abo	6600'

5. Possible mineral bearing formations:

Water Sand	150'	Fresh Water
Yates	400'	Oil / Gas
Queen	1130'	Oil / Gas
San Andres	1850'	Oil / Gas
Tubb	4580'	Oil / Gas
Lower Abo	6600'	Oil / Gas

6. Casing Program - Proposed

Hole size	Interval	OD of Casing	<u>Weight</u>	Cond.	Collar	Grade
	0' - +/-400' 2.98, Burst sf 2		54.5# - 13.42	New	STC	J/K-55
	0' - +/-1800' 2. 86, Burst sf - 1		40# 7.22	New	STC	J/K-55
	0' +/-5950' 2. 18, Burst sf 1		26# - 4.37	New	LTC	P-110
6-1/8" Collapse sf -	5850' 9709' - 2.47. Burst sf 1		11.6# 4.48	New	LTC	P-110

ATTACHMENT TO FORM 3160-3 COG Operating, LLC Blackhawk "11" Federal Com. #2H Page 2 of 3

7. Cement Program

13 3/8" Surf. Csg. Set at +/- 400', Circ to Surf with +/- 400 sx Class "C" w/ 2% CaCl2, 1.35 yd.

9 5/8" Intrmd. Csg. Set at +/- 1800'. Circ to Surf with +/- 600 sx 35/65 Poz "C", 2.05 yd. & 200 sx Class "C" w/ 2% CaCl2, 1.35 yd.

7" Prod. Csg. Set at +/- 5950'. Circ to Surf with +/- 500 sx_.50/50/10 Poz/"C"/gel, 2.45 yd. & +/-200 sx Class "C", 1.35 yd.

4 ½" Prod. Csg. Set from +/-5850 to +/- 9709' MD, 6686 TVD. Liner run with +/-5 isolation packers and sliding sleeves in un-cemented lateral. COG requests a variance to the 200' minimum tie-back in order—to set the pump as close to the formation as possible. The pilot hole, curve and horizontal are all in the Abo formation.

8. Pressure Control Equipment:

After setting 13 3/8" casing and installing 3000 psi casing head, NU 13 5/8" 3000 psi annular BOP. Test annular BOP, casing and manifold with clear fluid to 1000 psi white pump. After setting 9 5/8" casing and installing 3000 psi casing spool, NU 3000 psi double ram BOP and 3000psi annular BOP. Test double ram BOP and manifold to 3000# with clear fluid and annular to 1500 psi using an independent tester; this equipment will be used continuously until TD is reached. Blind rams will be operationally checked on each trip out of hole. Pipe rams will be operationally checked each 24 hour period. These checks will be noted on daily tour sheets. Other accessories to the BOP equipment include a Kelly cock and floor safety valves, choke lines and choke manifold with 3000 psi WP rating.

9. Proposed Mud Circulating System

Interval	_Mud Wt.	Visc.	FL	Type Mud System
0' - 400'	8.5	28	NC	Fresh water native mud w/ paper for seepage and sweeps. Lime for PH.
400'- 1800'	9.1	30	NC	Cut brine mud, lime for PH and paper for seepage and sweeps.
1800'- 5950'	9.1	29	NC	Drill section with fresh water/cut brine circulating the reserve utilizing periodic sweeps of paper as needed for seepage control and solids removal.
5950' - 9709'	9.5	36	10	Drill pilot hole, curve and horizontal section with XCD polymer / cut brine / starch.

Sufficient mud materials to maintain mud properties and meet minimum lost circulation and weight increase requirements will be kept at the well site at all times.

10. Auxiliary Well Control and Monitoring Equipment

- A. Kelly cock will be kept in the drill string at all times.
- B. A full opening drill pipe-stabbing valve with proper drill pipe connections will be on the rig floor at all times.

ATTACHMENT TO FORM 3160-3 COG Operating, LLC Blackhawk "11" Federal Com. #2H Page 3 of 3

11. Production Hole Drilling Summary:

Set 7" production casing at 5950'. Drill 6-1/8" pilot hole thru Top Basal Abo to +/-6850', run open hole logs. Spot +/-250 sx. "C" Kick off plug from +/- 6850' to +/-5950'. Kick off 6-1/8" hole at +/- 6142', building curve over +/- 475' to horizontal at +/-6620' TVD. Drill horizontal section in a easterly direction for +/-3300' lateral to TD @ +/-9709' MD, 6686' TVD. Run 4-1/2" production liner in open hole lateral and set isolation packers and liner top packer @ +/-5850' MD.

12. Logging, Testing and Coring Program:

- A. The electric logging program will consist of GR-Dual Laterolog, Spectral Density, Dual Spaced Neutron, CSNG Log and will be run from T.D. in vertical pilot hole inside 7" to 9 5/8" csng shoe.
- B. The mud logging program will consist of lagged 10' samples from intermediate casing point to T.D. In vertical pilot hole and from Kick off point to TD in Horizontal hole.
- C. Drill Stem test is not anticipated.
- D. No conventional coring is anticipated.
- E. Further testing procedures will be determined after the 5 ½" production casing has been cemented at TD based on drill shows and log evaluation.

13. Abnormal Conditions, Pressures, Temperatures and Potential Hazards:

No abnormal pressures or temperatures are anticipated. The estimated bottom hole at TD is 120 degrees and estimated maximum bottom hole pressure is 3160 psig. Low levels of Hydrogen sulfide have been monitored in producing wells in the area, so H2S may be present while drilling of the well. An H2S plan is attached to the Drilling Program. No major loss of circulation zones has been reported in offsetting wells.

14. Anticipated Starting Date

Drilling operations will commence approximately on October 20, 2009 with drilling and completion operations lasting approximately 45 days.

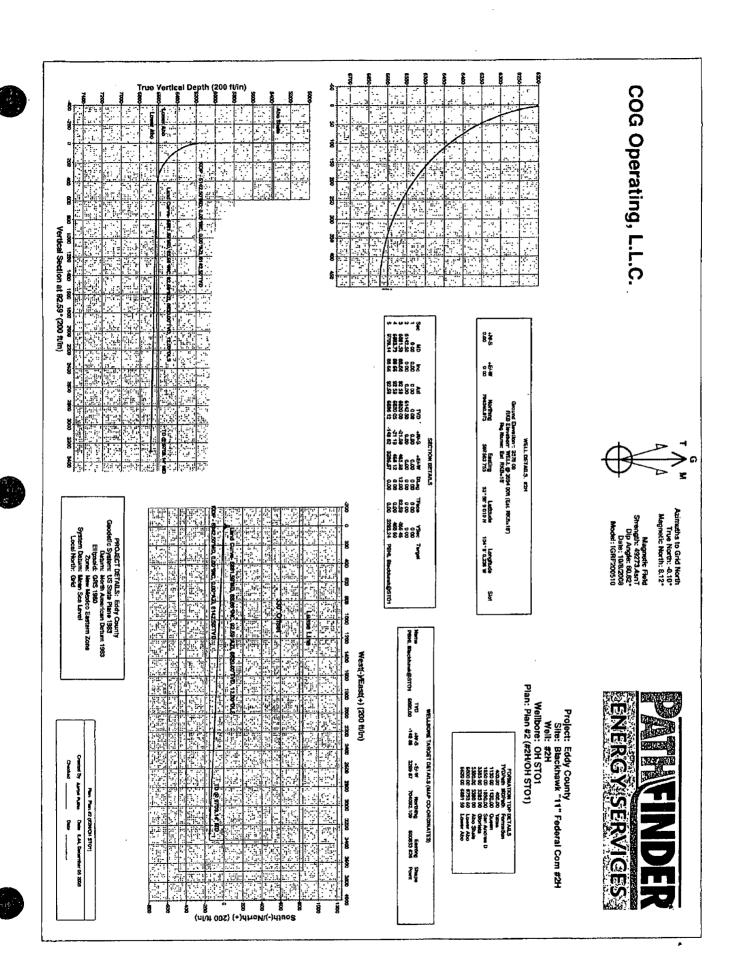
COG Operating LLC
Eddy County
Blackhawk "11" Federal Com #2H
#2H
OH STO1

Plan: Plan #2

Patfinder X & Y Survey Report

05 December, 2008





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Page 2

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Pathfinder Energy Services

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24.89	21.89	18.89	15.89	12.90	9.90	6.90	3.90	0.00°INC, 0.00°AZI, 0.90	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00	COG Operating LLC Eddy County Blackhawk "11" Federal Com #2H #2H
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597,608.08	597,598.16	597,589.46	597,582.00	597,575.79	597,570.86	597,567.21	597,564.86	597,563.81	597,563.78	597,563.76	597,563.76	597,563.76	597,563.76	597,563.76	597,563,76	597,563.76	597,563.76	597,563.76	597,563.76	597,563.76	597,563.76	597,563.78	597,563.76	Easing (n) 1.4 1.5 (n) 1.5 (n) 1.6 1.5 (n) 1.5 (n) 1.6 1.5 (n) 1.5 (n) 1.6 1.5 (n) 1.5 (n) 1.6 1.5 (n)	New Property Control

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COMPASS 2003.16 Build 42F

6.375.00 77.59 625.93 6.295.93 2.771.93 2.55 55.42 65.42 65.43 12.00 704.28.47 6.400.00 30.89 92.59 6.408.81 2.891.48 3.567 87.68 67.75 12.00 704.228.47 6.475.00 30.89 92.59 6.448.79 2.884.79 3.57 81.05 81.14 12.00 704.228.65 6.475.00 38.89 92.59 6.448.79 2.884.79 3.57 117.02 111.02 111.04 12.00 704.228.65 6.575.00 42.89 92.59 6.448.74 2.884.71 3.57 127.55 145.15 12.00 704.228.65 6.575.00 42.89 92.59 6.580.72 2.984.27 3.25 145.15 12.00 704.223.59 6.575.00 57.89 92.59 6.557.70 2.985.75 2.985.75 111.05 221.65 222.88 12.00 704.223.89 6.775.00 6.988 92.59 6.590.95 3.004.95 -15.2
77.89 92.59 6,385,33 2,771,33 -2.51 55.42 55.75 12.00 30.39 92.59 6,485.41 2,891.41 -3.07 43.22 95.51 95.51 12.00 33.89 92.59 6,487.54 2,887.54 -5.77 127.53 127.66 12.00 45.88 92.59 6,548.541 2,881.41 -5.57 127.53 127.66 12.00 44.88 92.59 6,558.73 2,998.33 -7.39 163.37 12.00 145.15 12.00 57.88 92.59 6,558.75 2,998.75 -1.01 223.45 223.88 12.00 59.88 92.59 6,591.76 2,996.77 -1.10.6 244.94 245.19 12.00
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600,744.63	704,097.09	0.00	3,184,13	3,180.88	-143.89	3,089.57	6,683.57	92.59	88.86	9,500.00
600.644.76	704,101.60	0.00		3,087.00	-139.37	3,007.23	0.001.23	92.39	60.00	0,000.00
600,544,89	/U4,106.12	0.00		2,961.13	100.03	2,087.03	6,676,60	02.60	99 66	9 500 00
		3		3 091 13	124 85	3 084 80	6 678 80	07.50	88 AA	9.400.00
600,445.02	704,110.64	0.00	2,884.21	2,881.26	-130.33	3,082.56	6,676.56	92.59	88.66	9,300.00
600,345,15	704,115.16	0.00	2,784.24	2,781.39	-125.82	3,080.22	6,674.22	92.59	88.66	9,200.00
600,245.28	704,119.67	0.00	2,684.26	2,681.52	-121.30	3,077.88	6,671.88	92.59	88.66	9,100.00
600,145,41	704,124.19	0.00	2,584,29	2,581.65	-116.78	3,075.54	6,669.54	92.59	88.66	9,000.00
600,045.54	704,128.71	0.00	2,484.32	2,481.78	-112.26	3,073.20	6,667.20	92.59	88.66	8,900.00
599,945,67	704,133.23	0.00	2,364.35	2,381.91	-107.75	3,070.86	6,664.86	92.59	88.66	8,800.00
599,845.80	704,137.75	0.00	2,284.37	2,282.04	-103.23	3,068.52	6,662.52	92.59	88.66	8,700.00
599,745.92	704,142.26	0.00	2,184.40	2,182.17	-98.71	3,066.19	6,660.19	92.59	88.66	8,600.00
599,646,05	704,146.78	0.00	2,084.43	2,082.30	-94.19	3,063,85	6,657.85	92.59	88.66	8,500.00
599,546,18	704,151.30	0.00	1,984,46	1,982.43	-89.67	3,061.51	6,655.51	92.59	88.66	8,400.00
599.446.31	704,155.82	0.00	1,884,48	1,882.56	-85.16	3,059,17	6,653.17	92,59	88.66	8,300.00
599,346,44	704,160.33	0.00	1,784.51	1,782.69	-80.64	3,056.83	6,650.83	92.59	88.66	8,200.00
599,246.57	704,164.85	0.00	1,684.54	1,682.82	-76.12	3,054.49	6,648.49	92.59	88.66	8,100.00
599,146,70	704,169.37	0.00	1,584.57	1,582.95	-71.60	3,052.15	6,646.15	92.59	88.66	8,000.00
599,046,83	704,173.89	0.00	1.484.59	1,483.08	-67.09	3,049.82	6,643.82	92.59	88. <u>66</u>	7,900.00
598,946.96	704,178.40	0.00	1,384.62	1,383.21	-62.57	3,047,48	6,641.48	92.59	88.66	7,800.00
598,847,09	704,182.92	0.00	1,284.65	1,283.34	-58.05	3,045.14	6,639.14	92.59	88.66	7,700.00
598,747.22	704, 187.44	0.00	1,184.67	1,183.46	-53.53	3,042.80	6,636.80	92.59	88.66	7,600.00
598,647.35	704,191.96	0.00	1,084.70	1,083.59	49.02	3,040,46	6,634,46	92.59	88.66	7,500.00
598,547,48	704,196.47	0.00	984.73	983.72	-44.50	3,038.12	6.632.12	92.59	88.66	7,400.00
598.447.61	704,200.99	0.00	884,76	883.85	-39.98	3,035.78	6,629.78	92.59	88.66	7.300.00
598,347.74	704,205.51	0.00	784.78	783.98	-35.46	3,033,45	6,627.45	92.59	88.66	7,200.00
598,247.87	704,210.03	0.00	584.81	684.11	-30.95	3,031.11	6,625.11	92.59	88.66	7,100.00
598,148,00	7 730	0.00	584.84	584.24	(m) 30 5 3	3,028.77	5,622.77	92.59	88.66	7,000.00
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	6 Table 22
	Well #2H WELL @ 3594.00f (Est. RKB=18') WHILL @ 3594.00f (Est. RKB=18') Whinimum Curvature JEDM 2003.16 Single User Db Discog (7,100f) 3594.00f (Est. RKB=18') 1007.16 Single User Db
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Approved By: Date:	Checked By:
Vertical : Local Coordinates: Depth: +H-S (m) : Comment	Innocations (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)
Abo Shale 0.00 Glorieta 0.00 Lower Abo 0.00 Vates 0.00 San Andres D 0.00	5,385.00 3,385.00 6,881.59 6,753.60 400.00 1,850.00
ppin (i) Lithology Lithology 0.00	money Measured Depth 1130 00
IL Blackhawk@S* 0.00 0.00 6,690.00 -148.86 3,289.87 704,092,109 600,853.626 32* 56* 7,479 N 104* 8* 21.636 W - plan misses by 3.88ft at 9709.14ft MD (6686.12 TVD, -148.82 N, 3289.87 E) - Point	PBHL Blackhawk@ST - plan misses by 3.88ft at 970 - Point
Dipipir (n)	Hamo Dip Angle
Local Co-ordinate Reference: Well #2H TVD. Reference: WELL @ 3594.00ft (Est. RKB=18) MD Reference: WELL @ 3594.00ft (Est. RKB=18) North Reference: Method: Minimum Curvature Database: EDM 2003.16 Single User Db	Company COG Operating LLC rolects Eddy County Site: Blackhawk "11" Federal Com #2H Well: COH STO1 Design: COH STO1

12/5/2008 9:47:524M

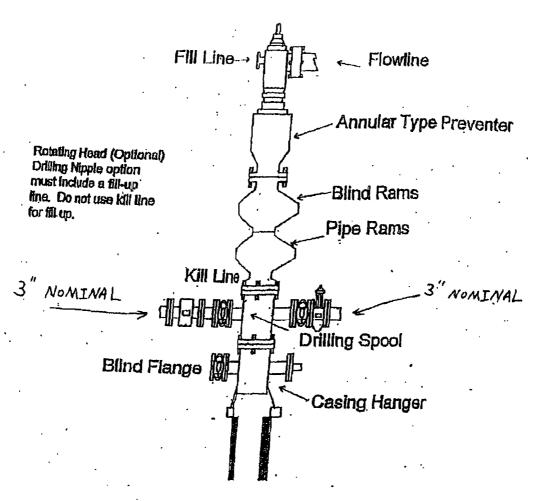
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COMPASS 2003 16 Build 42F

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BOPL SCHEMATIC

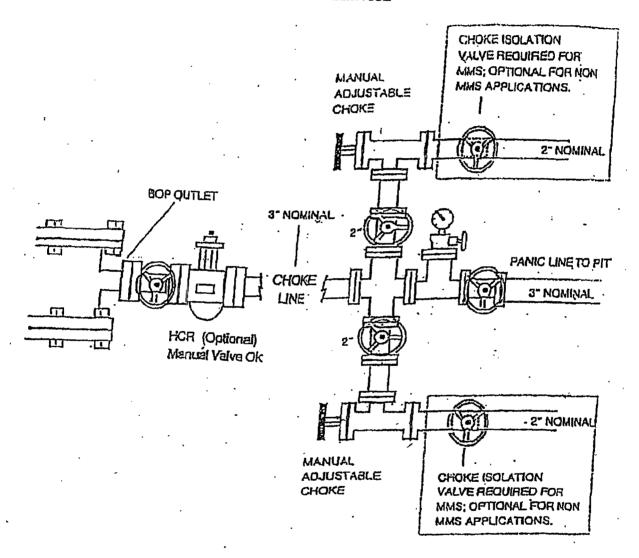


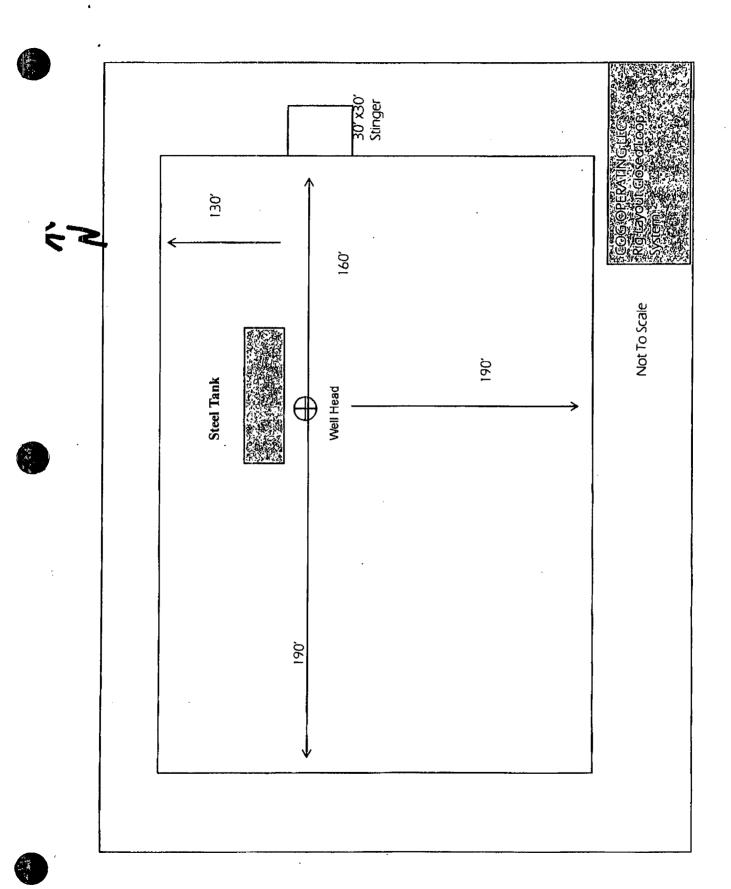
900 SERIES

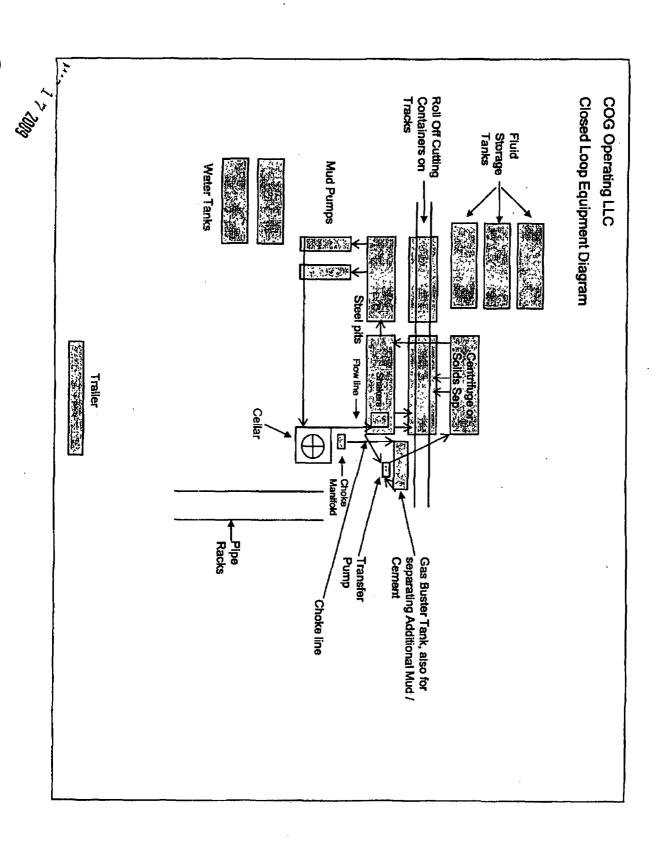


CHOKE MANIFOLD

3M SERVICE







Closed Loop Operation & Maintenance Procedure

All drilling fluid circulated over shaker(s) with cuttings discharged into roll off container.

Fluid and fines below shaker(s) are circulated with transfer pump through centrifuge(s) or solids separator with cuttings and fines discharged into roll off container.

Fluid is continuously re-circulated through equipment with polymer added to aid separation of cutting fines.

Roll off containers are lined and de-watered with fluids re-circulated into system.

Additional tank is used to capture unused drilling fluid or cement returns from casing jobs.

This equipment will be maintained 24 hrs./day by solids control personnel and or rig crews that stay on location.

Cuttings will be hauled to either:

CRI (permit number R9166) or GMI (permit number 711-019-001)

dependent upon which rig is available to drill this well.

COG OPERATING, LLC

HYDROGENSULFIDE (H2S) CONTINGENCY PLAN FOR DRILLING / COMPLETING / WORKOVER / FACILITY WITH THE EXPECTATION OF H2S IN EXCESS OF 100 PPM

C.O.G. Operating, LLC
NEW DRILL WELL
Blackhawk "11" Federal #2
SHL: 1800' FSL & 1590' FWL, Unit K
BHL: 1650' FSL & 330' FEL, Unit I
Sec 11, T165, R28E
Eddy County, New Mexico

This well / facility is not expected to have H2S, but the following is submitted as requested.

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l.	General Emergency Plan	Page 3
11.	Emergency Procedure for Uncontrolled Release of H2S	Page 3
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V.	Public Evacuation Plan	Page 6
VI.	Procedure for Igniting an Uncontrollable Condition	Page 7
VII.	Required Emergency Equipment	Page 8
VIII.	Using Self-Contained Breathing Air Equipment (SCBA)	Page 9
IX.	Rescue & First Aid for Victims of H2S Poisoning	Page 10
Χ.	H2s Toxic Effects	Pages 11-12
XI.	H2s Physical Effects	Pages 13-14
XII.	Location Map	Page 15
XIII.	Vicinity Map	Page 16

GENERAL H2S EMERGENCY ACTIONS

In the event of any evidence of H2S emergency, the following plan will be initiated:

- 1. All personnel will immediately evacuate to an up-wind and if possible up-hill "safe area."
- 2. If for any reason a person must enter the hazardous area, they must wear a SCBA (self-contained breathing apparatus).
- 3. Always use the "buddy system."
- 4. Isolate the well / problem if possible.
- 5. Account for all personnel.
- 6. Display the proper colors warning all unsuspecting personnel of the danger at hand.
- 7. Contact the company representative as soon as possible if not at the location (use the enclosed call list as instructed).

At this point the company representative will evaluate the situation and coordinate the necessary duties to bring the situation under control, and if necessary, the notification of emergency response agencies and residents.

EMERGENCY PROCEDURES FOR AN UNCONTROLLABLE RELEASE OF H2S

- 1. All personnel will don the self-contained breathing apparatus.
- 2. Remove all personnel to the "safe area": (always use the "buddy system").
- 3. Contact company representative if not on location.
- 4. Set in motion the steps to protect and / or remove the general public to any upwind "safe area." Maintain strict security and safety procedures while dealing with the source.
- 5. No entry to any unauthorized personnel.
- 6. Notify the appropriate agencies:

City Police – City Streets
State Police – State Roads
County Sheriff – County Roads

7. Call the NMOCD.

If at this time the supervising person determines the release of H2S cannot be contained to the site location and the general public is in harms way, he will immediately notify public safety personnel.

EMERGENCY CALL LIST

	<u>Office</u>	Cell	<u>Home</u>
John Coffman	432-683-7443	432-631-9762	432-699-5552
Erick Nelson	432-683-7443	432-238-7591	
Matt Corser	432-683-7443	432-413-0071	

EMERGENCY RESPONSE NUMBERS

Eddy County, New Mexico

State Police	505-748-9718
Eddy County Sheriff	505-746-2701
Emergency Medical Services (Ambulance)	911 or 505-746-2701
Eddy County Emergency Management (Harry Burgess)	505-887-9511
State Emergency Response Center (SERC)	505-476-9620
Carlsbad Police Department	505-885-2111
Carlsbad Fire Department	505-885-3125
New Mexico Oil Conservation Division	505-748-1283
Callaway Safety Equipment, Inc.	505-392-2973

PROTECTION OF THE GENERAL (ROE) RADIUS OF EXPOSURE

In the event greater than 100 ppm H2S is present, the ROE calculations will be done to determine if the following is warranted:

- * 100 ppm at any public area (any place not associated with this site).
- * 500 ppm at any public road (any road which the general public may travel).
- * 100 ppm radius of 3000' will be assumed if there is insufficient data to do the calculations, and there is a reasonable expectation that H2S could be present in concentrations greater than 100 ppm in the gas mixture.

Calculation	for t	he 100	nnm	ROE:
~ alramatom	101	HC IV		

(H2S concentrations in decimal form)

X = [(1.589)(concentration)(Q)] (0.6258)

10,000 ppm += .01

1,000 ppm + = .001100 ppm + = .0001

Calculation for the 500 ppm ROE:

10 ppm + = .00001

X = [(0.4546)(concentration)(Q)] (.06258)

EXAMPLE: If a well / facility has been determined to have 150 ppm H2S in the gas mixture and the well / facility is producing at a gas rate of 200 MCFD then:

ROE for 100 ppm

X=[(1.589)(.00010)(200,000)](0.6258)

X=8.8°

ROE for 500 ppm

X=[(.4546)(.00050)(200,000)](0.6258)

X=10.9

These calculations will be forwarded to the appropriate NMOCD district office when applicable.

PUBLIC EVACUATION PLAN

When the supervisor has determined that the general public will be involved, the following plan will be implemented.

- 1. Notification of the emergency response agencies of the hazardous condition and implement evacuation procedures.
- 2. A trained person in H2S safety shall monitor with detection equipment the H2S concentration, wind and area of exposure. This person will determine the outer perimeter of the hazardous area. The extent of the evacuation area will be determined from the data being collected. Monitoring shall continue until the situation has been resolved. All monitoring equipment shall be UL approved for use in Class I Groups A, B, C, & D, Division I hazardous locations. All monitors will have a minimum capability of measuring H2S, oxygen, and flammable values.
- 3. Law enforcement shall be notified to set up necessary barriers and maintain such for the duration of the situation as well as aid in the evacuation procedure.
- 4. The company representative shall stay in communication with all agencies throughout the duration of the situation and inform such agencies when the situation has been contained and the effected area is safe to enter.

PROCEDURE FOR IGNITING AN UNCONTROLLABLE CONDITION

The decision to ignite a well should be a last resort and one, if not both, of the following pertain:

- 1. Human life and / or property are endangered.
- 2. There is no hope of bringing the situation under control with the prevailing conditions at the site.

Instructions for Igniting the Well:

- 1. Two people are required. They must be equipped with positive pressure, self-contained breathing apparatus and "D"-ring style, full body, OSHA approved safety harness. Non-flammable rope will be attached.
- 2. One of the people will be a qualified safety person who will test the atmosphere for H2S, oxygen and LFL. The other person will be the company representative.
- 3. Ignite upwind from a distance no closer than necessary. Make sure that where you ignite from has the maximum escape avenue available. A 25mm flare gun with a range of approximately +/- 500 feet shall be used to ignite the gas.
- 4. Before igniting, check for the presence of combustible gases.
- 5. After igniting, continue emergency actions and procedures as before.

REQUIRED EMERGENCY EQUIPMENT

1. Breathing Apparatus

- * Rescue Packs (SCBA) 1 unit shall be placed at each breathing area, 2 shall be stored in the safety trailer.
- * Work / Escape Packs 4 packs shall be stored on the rig floor with sufficient air hose not to restrict work activity.
- * Emergency Escape Packs 4 packs shall be stored in the doghouse for emergency evacuation.

2. Signage and Flagging

- * One Color Code Condition Sign will be placed at the entrance to the site reflecting the possible conditions at the site.
- * A Colored Condition flag will be on display reflecting the condition at the site at that time.

3. Briefing Area

* Two perpendicular areas will be designated by signs and readily accessible.

4. Windsocks

* Two windsocks will be placed in strategic locations, visible from all angles.

5. H2S Detectors and Alarms

- * The stationary detector with three (3) sensors will be placed in the upper dog house if equipped, set to visually alarm @ 10 ppm and audible alarm @ 15 ppm. Calibrate a minimum of every 30 days or as needed. The three sensors will be placed in the following places: (Gas sample tubes will be stored in the safety trailer):
- * Rig Floor
- * Bell Nipple
- * End of flow line or where will bore fluid is being discharged

6. Auxiliary Rescue Equipment

- * Stretcher
- * Two OSHA full body harnesses
- * 100' of 5/8" OSHA approved rope
- * One 20 lb. Class ABC fire extinguisher
- * Communication via cell phones on location and vehicles on location

USING SELF-CONTAINED BREATHING AIR EQUIPMENT (SCBA)

- 1. SCBA should be worn when any of the following are preformed:
 - * Working near the top or on top of a tank.
 - * Disconnecting any line where H2S can reasonably be expected.
 - * Sampling air in the area to determine if toxic concentrations of H2S exist.
 - * Working in areas where over 10 ppm of H2S has been detected.
 - * At any time there is a doubt of the level of H2S in the area.
- 2. All personnel shall be trained in the use of SCBA prior to working in a potentially hazardous location.
- 3. Facial hair and standard eyeglasses are not allowed with SCBA.
- 4. Contact lenses are never allowed with SCBA.
- 5. When breaking out any line where H2S can reasonably be expected.
- 6. After each use, the SCBA unit shall be cleaned, disinfected, serviced and inspected.
- 7. All SCBA shall be inspected monthly.

RESCUE & FIRST AID FOR VICTIMS OF H2S POISONING

- * Do not panic.
- * Remain calm and think.
- * Get on the breathing apparatus.
- * Remove the victim to the safe breathing area as quickly as possible, upwind and uphill from source or crosswind to achieve upwind.
- * Notify emergency response personnel.
- * Provide artificial respiration and / or CPR as necessary.
- * Remove all contaminated clothing to avoid further exposure.
- * A minimum of two (2) personnel on location shall be trained in CPR and First Aid.

Toxic Effects of H2S Poisoning

Hydrogen Sulfide is extremely toxic. The acceptable ceiling concentration for eight-hour exposure is 10 PPM, which is .001% by volume. Hydrogen Sulfide is heavier than air (specific gravity – 1.192) and is colorless and transparent. Hydrogen Sulfide is almost as toxic as Hydrogen Cyanide and is 5-6 times more toxic than Carbon Monoxide. Occupational exposure limits for Hydrogen Sulfide and other gases are compared below in Table I. Toxicity table for H2S and physical effects are shown in Table II.

Table I
Permissible Exposure Limits of Various Gases

Common Name	Symbol	Sp. Gravity	TLV	STEL	IDLH
Hydrogen Cyanide	HCN	.94	4.7 ppm	С	
Hydrogen Sulfide	H2S	1.192	10 ppm	15 ppm	100ppm
Sulfide Dioxide	SO2	2.21	2 ppm	5 ppm	-
Chlorine	CL	2.45	.5 ppm	1 ppm	
Carbon Monoxide	CO	.97	25 ppm	200 ppm	
Carbon Dioxide	CO2	1.52	5000 ppm	30,000 ppm	
Methane	CH4	.55	4.7% LEL	14% UEL	

Definitions

- A. TVL Threshold Limit Value is the concentration employees may be exposed to based on a TWA (time weighed average) for eight (8) hours in one day for 40 hours in one (1) week. This is set by ACGIH (American Conference of Government Hygienists) and regulated by OSHA.
- B. STEL Short Term Exposure Limit is the 15 minute average concentration an employee may be exposed to providing that the highest exposure never exceeds the OEL. (Occupational Exposure Limit). The OEL for H2S is 19 PPM.
- C. IDLH Immediately Dangerous to Life and Health is the concentration that has been determined by the ACGIH to cause serious health problems or death if exposed to this level. The IDLH for H2S is 100 PPM.
- D. TWA ~ Time Weighted Average is the average concentration of any chemical or gas for an eight (8) hour period. This is the concentration that any employee may be exposed to based on a TWA.

TABLE II
Toxicity Table of H2S

Percent %	PPM	Physical Effects
.0001	1	Can smell less than 1 ppm.
.001	10	TLV for 8 hours of exposure.
.0015	15	STEL for 15 minutes of exposure.
.01	100	Immediately Dangerous to Life & Health. Kills sense of smell in 3 to 5 minutes.
.02	200	Kills sense of smell quickly, may burn eyes and throat.
.05	500	Dizziness, cessation of breathing begins in a few minutes.
.07	700	Unconscious quickly, death will result if not rescued promptly.
.10	1000	Death will result unless rescued promptly. Artificial resuscitation may be necessary.

PHYSICAL PROPERTIES OF H2S

The properties of all gases are usually described in the context of seven major categories:

COLOR
ODOR
VAPOR DENSITY
EXPLOSIVE LIMITS
FLAMMABILITY
SOLUBILITY (IN WATER)
BOILING POINT

Hydrogen Sulfide is no exception. Information from these categories should be considered in order to provide a fairly complete picture of the properties of the gas.

COLOR - TRANSPARENT

Hydrogen Sulfide is colorless so it is invisible. This fact simply means that you can't rely on your eyes to detect its presence, a fact that makes the gas extremely dangerous to be around.

ODOR - ROTTEN EGGS

Hydrogen Sulfide has a distinctive offensive smell, similar to "rotten eggs." For this reason it earned its common name "sour gas." However, H2S, even in low concentrations, is so toxic that it attacks and quickly impairs a victim's sense of smell, so it could be fatal to rely on your nose as a detection device.

VAPOR DENSITY -- SPECIFIC GRAVITY OF 1.192

Hydrogen Sulfide is heavier than air so it tends to settle in low-lying areas like pits, cellars or tanks. If you find yourself in a location where H2S is known to exist, protect yourself. Whenever possible, work in an area upwind and keep to higher ground.

EXPLOSIVE LIMITS - 4.3% TO 46%

Mixed with the right proportion of air or oxygen, H2S will ignite and burn or explode, producing another alarming element of danger besides poisoning.

FLAMMABILITY

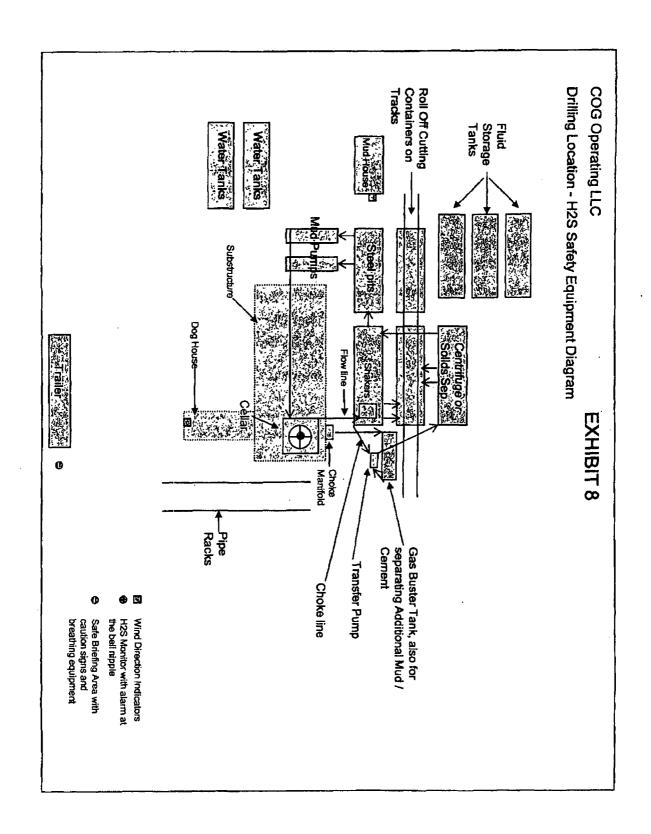
Hydrogen Sulfide will burn readily with a distinctive clear blue flame, producing Sulfur Dioxide (SO2), another hazardous gas that irritates the eyes and lungs.

SOLUBILITY - 4 TO 1 RATIO WITH WATER

Hydrogen Sulfide can be dissolved in liquids, which means that it can be present in any container or vessel used to carry or hold well fluids including oil, water, emulsion and sludge. The solubility of H2S is dependent on temperature and pressure, but if conditions are right, simply agitating a fluid containing H2S may release the gas into the air.

BOILING POINT – (-76 degrees Fahrenheit)

Liquefied Hydrogen Sulfide boils at a very low temperature, so it is usually found as a gas.



SURFACE USE AND OPERATING PLAN

1. Existing & Proposed Access Roads

- A. The well site survey and elevation plat for the proposed well is shown in Exhibit #1. It was staked by Basin Surveying, Hobbs, NM.
- B. All roads to the location are shown in the topographic 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
- C. Directions: From the junctuion of Hwy 82 and CR 202, go northerly 3.8 miles to lease road, on lease road go north 1.3 miles to a "Y". GO left and go 1.5 miles to "Y", go left for 3.0 miles to a "T", go right(easterly) for 2.2 miles to proposed location.
- 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.

2. Proposed Access Road:

Exhibit #4 shows that the location, when constructed will be on the edge of the existing lease road. 202.4' of new access road will be constructed.

- A. 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.
- B. The average grade will be less than 1%.
- C. No turnouts are planned.
- D. No culverts, cattleguard, gates, low water crossings or fence cuts are necessary.
- E. Surfacing material will consist of native caliche. Caliche will be obtained from the nearest BLM approved caliche pit or reserve pit area.

3. Location of Existing Well:

Surface Use Plan Page 1

Exhibit #5 shows all existing wells within a one-mile radius of this well. As shown on this plat there are numerous wells producing from the San Andres and Yeso formations.

4. Location of Existing and/or Proposed Facilities:

- A. COG Operating LLC does operate a production facility on this lease.
- B. If the well is productive, contemplated facilities will be as follows:
 - 1) Production will be sent to the Blackhawk"11" Fed #1H tank battery located south of this location. The facility location is shown in Exhibit #5.
- 2) The tank battery and facilities including all flow lines and piping will be installed according to API specifications.
- Any additional caliche will be obtained from a BLM approved caliche pit. Any additional construction materials will be purchased from contractors.
- 4) Proposed flow lines, will follow an archaeologically approved route to the Blackhawk Tank Battery. The flowline will be SDR 7 3" poly line laid on the surface and will be approximately 213 in length.
- 5) It will be necessary to run electric power if this well is productive. Power will be provided by Lea County Electric and they will submit a separate plan and ROW for service to the well location.
- 6) If the well is productive, rehabilitation plans will include the following:
 - a) The original topsoil from the well site will be returned to the location. And the site will be re-contoured to as close to possible to the original site.

5. 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.

6. Source of Construction Materials:

All caliche required for construction of the drill pad and proposed new access road (approximately 2500 cubic yards) will be obtained from a BLM approved caliche pit.

Surface Use Plan

Page 2

7. Methods of Handling Water Disposal:

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 temporally in steel tanks and then taken to an NMOCD approved commercial disposal facility.
- 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. 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.

8. Ancillary Facilities:

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

9. Well Site Layout:

- A. The drill pad layout, with elevations staked by Asel Surveying, is shown in Exhibit #4. Dimensions of the pad and pits are shown on Exhibit #6. Topsoil, if available, will be stockpiled per BLM specifications. Because the pad is almost level no major cuts will be required.
- B. Exhibit #6 also shows the proposed orientation of reserve pit, working pit and access road. No permanent living facilities are planned, but a temporary foreman/toolpusher's trailer will be on location during the drilling operations.

10. Plans for Restoration of the Surface:

Surface Use Plan

- A. Upon completion of the drilling and/or completion operations, it the well is found to be non-commercial, the caliche will be removed from the pad and transported to the original caliche pit or used for other drilling locations in the area. The road will be reclaimed as directed by the BLM. The original top soil will again be returned to the pad and contoured, as close as possible, to the original topography.
- B. The location and road will be rehabilitated as recommended by the BLM.
- C. Upon completion of proposed operations, if the well is completed, the reserve pit area will be closed as outlined in Section 4.6 above within the same prescribed time. Any additional caliche required for facilities will be obtained from a BLM approved caliche pit. Topsoil removed from the drill site will be used to re-contour the pit area to its original natural level and reseeded as per BLM specifications.

11. 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 proposed road routes and surface location will be restored as directed by the BLM.

12. 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. A Cultural Resources Examination is being prepared by Southern New Mexico Archaeological Services, Inc. P.O. Box 1, Bent New Mexico, 88314, phone # 505-671-4797 and the results will be forwarded to your office in the near future.

Surface Use Plan

13. Bond Coverage:

Bond Coverage is Nationwide Bond # 000215

14. Lessee's and Operator's Representative:

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

John Coffman,
Drilling Superintendent
COG Operating LLC
550 W. Texas, Suite 1300
Midland, TX 79701
Phone (432) 683-7443 (office)
(432) 631-9762 (cell)

Erick Nelson.
Division Operations Manager
COG Operating LLC
550 W. Texas, Suite 1300
Midland, TX 79701
Phone (505) 746-2210 (office)
(432) 238-7591 (cell)

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 make 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 28th day of February, 2009.

Signed:

Printed Name: John Coffman Position: Drilling Superintendent

Address: 550 W. Texas, Suite 1300, Midland, Texas 79701

John Coffman

Telephone: (432) 683-7443

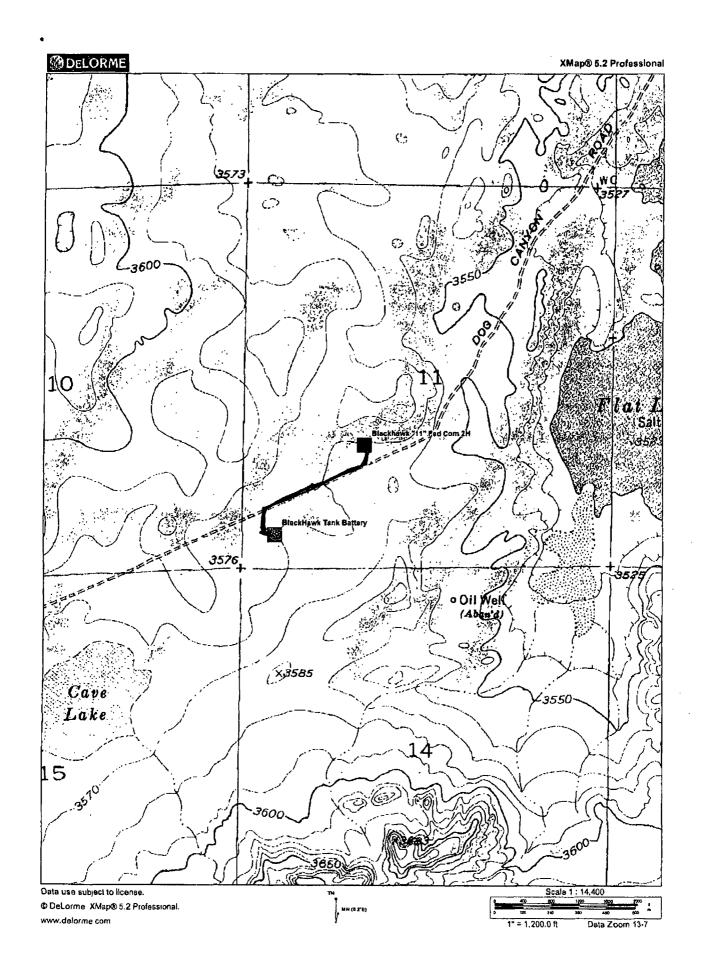
Field Representative (if not above signatory): Same

Address (if different from above):
Telephone (if different from above):
E-mail: JCoffman@conchoresources.com

Exhibits:

Exhibit #1	Wellsite and Elevation Plat Form C-102 Well location and acreage dedication plat
Exhibit #2	Topographic Map (West)
Exhibit #3	Vicinity Map and area roads
Exhibit #4	Elevation Plat (West)
Exhibit #5	Topographic extract showing wells, roads and flowlines
Exhibit #6	Pad Layout and orientation
Exhibit #7	H2S Signage
Exhibit #8	H2S Equipment location
Exhibit #9	BOP and Choke diagrams
Exhibit #10	BOP Requirements
Exhibit #11	Minimum Choke Manifold Requirements
Exhibit #12	Form C-144 NMOCD pit permit application

Page 7



PECOS DISTRICT CONDITIONS OF APPROVAL

OPERATOR'S NAME:
LEASE NO.:
WELL NAME & NO.:
SURFACE HOLE FOOTAGE:
BOTTOM HOLE FOOTAGE
LOCATION:
COUNTY:
COUNTY:
COUNTY:
COUNTY:
COUNTY:
COG Operating LLC
NM95630
2 Black Hawk 11 Fed Com
1800' FSL & 1590' FWL
1650' FSL & 330' FEL
Section 11, T. 16 S., R 28 E., NMPM
Eddy County, New Mexico

TABLE OF CONTENTS

Standard Conditions of Approval (COA) apply to this APD. If any deviations to these standards exist or special COAs are required, the section with the deviation or requirement will be checked below.

General Provisions
Permit Expiration
Archaeology, Paleontology, and Historical Sites
☐ Noxious Weeds
Special Requirements
High Cave/Karst Occurrence
Communitization Agreement
◯ Construction
Notification
Topsoil
Closed Loop System
Federal Mineral Material Pits
Well Pads
Roads
Road Section Diagram
☑ Drilling
High Cave/Karst Area
H2S contingency plan area code
☑ Production (Post Drilling)
Well Structures & Facilities
Pipelines
Closed Loop System/Interim Reclamation
Final Abandonment/Reclamation

T. GENERAL PROVISIONS

The approval of the Application For Permit To Drill (APD) is in compliance with all applicable laws and regulations: 43 Code of Federal Regulations 3160, the lease terms, Onshore Oil and Gas Orders, Notices To Lessees, New Mexico Oil Conservation Division (NMOCD) Rules, National Historical Preservation Act As Amended, and instructions and orders of the Authorized Officer. Any request for a variance shall be submitted to the Authorized Officer on Form 3160-5, Sundry Notices and Report on Wells.

II. PERMIT EXPIRATION

If the permit terminates prior to drilling and drilling cannot be commenced within 60 days after expiration, an operator is required to submit Form 3160-5, Sundry Notices and Reports on Wells, requesting surface reclamation requirements for any surface disturbance. However, if the operator will be able to initiate drilling within 60 days after the expiration of the permit, the operator must have set the conductor pipe in order to allow for an extension of 60 days beyond the expiration date of the APD. (Filing of a Sundry Notice is required for this 60 day extension.)

III. ARCHAEOLOGICAL, PALEONTOLOGY & HISTORICAL SITES

Any cultural and/or paleontological resource discovered by the operator or by any person working on the operator's behalf shall immediately report such findings to the Authorized Officer. The operator is fully accountable for the actions of their contractors and subcontractors. The operator shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the Authorized Officer. An evaluation of the discovery shall be made by the Authorized Officer to determine the appropriate actions that shall be required to prevent the loss of significant cultural or scientific values of the discovery. The operator shall be held responsible for the cost of the proper mitigation measures that the Authorized Officer assesses after consultation with the operator on the evaluation and decisions of the discovery. Any unauthorized collection or disturbance of cultural or paleontological resources may result in a shutdown order by the Authorized Officer.

IV. NOXIOUS WEEDS

The operator shall be held responsible if noxious weeds become established within the areas of operations. Weed control shall be required on the disturbed land where noxious weeds exist, which includes the roads, pads, associated pipeline corridor, and adjacent land affected by the establishment of weeds due to this action. The operator shall consult with the Authorized Officer for acceptable weed control methods, which include following EPA and BLM requirements and policies.

V. SPECIAL REQUIREMENT(S)

Black Hawk 11 Federal Com. #2: Closed Loop System V-Door East

Communitization Agreement

A Communitization Agreement covering the acreage dedicated to this well must be filed for approval with the BLM. The effective date of the agreement shall be prior to any sales. Operator to supply NMOCD order or description of pool which details the vertical and horizontal extent of pool to verify that requested communitization is within an approved and established pool.

Cave and Karst

** Depending on location, additional Drilling, Casing, and Cementing procedures may be required by engineering to protect critical karst groundwater recharge areas.

Cave/Karst Surface Mitigation

The following stipulations will be applied to minimize impacts during construction, drilling and production.

Construction:

In the advent that any underground voids are opened up during construction activities, construction activities will be halted and the BLM will be notified immediately.

No Blasting:

No blasting will be utilized for pad construction. The pad will be constructed and leveled by adding the necessary fill and caliche.

Pad Berming:

The pad will be bermed to prevent oil, salt, and other chemical contaminants from leaving the pad. Due to the proximately of a large depression area/playa, the west, south, and east sides will be bermed.

Tank Battery Liners and Berms:

Tank battery locations will be lined and bermed. A 20 mil permanent liner will be installed with a 4 oz. felt backing to prevent tears or punctures. Tank battery berms must be large enough to contain 1/½ times the content of the largest tank.

Leak Detection System:

A method of detecting leaks is required. The method could incorporate gauges to measure loss, situating values and lines so they can be visually inspected, or installing electronic sensors to alarm when a leak is present. Leak detection plan will be submitted to BLM for approval.

Automatic Shut-off Systems:

Automatic shut off, check values, or similar systems will be installed for pipelines and tanks to minimize the effects of catastrophic line failures used in production or drilling.

Cave/Karst Subsurface Mitigation

The following stipulations will be applied to protect cave/karst and ground water concerns:

Rotary Drilling with Fresh Water:

Fresh water will be used as a circulating medium in zones where caves or karst features are expected. SEE ALSO: Drilling COAs for this well.

Directional Drilling:

Kick off for directional drilling will occur at least 100 feet below the bottom of the cave occurrence zone. SEE ALSO: Drilling COAs for this well.

Lost Circulation:

ALL lost circulation zones from the surface to the base of the cave occurrence zone will be logged and reported in the drilling report.

Regardless of the type of drilling machinery used, if a void of four feet or more and circulation losses greater than 70 percent occur simultaneously while drilling in any cavebearing zone, the BLM will be notified immediately by the operator. The BLM will assess the situation and work with the operator on corrective actions to resolve the problem.

Abandonment Cementing:

Upon well abandonment in high cave karst areas additional plugging conditions of approval may be required. The BLM will assess the situation and work with the operator to ensure proper plugging of the wellbore.

Pressure Testing:

Annual pressure monitoring will be performed by the operator on all casing annuli and reported in a sundry notice. If the test results indicated a casing failure has occurred, remedial action will be undertaken to correct the problem to the BLM's approval.

VI. CONSTRUCTION

A. NOTIFICATION

The BLM shall administer compliance and monitor construction of the access road and well pad. Notify the Carlsbad Field Office at (575) 234-5972 at least 3 working days prior to commencing construction of the access road and/or well pad.

When construction operations are being conducted on this well, the operator shall have the approved APD and Conditions of Approval (COA) on the well site and they shall be made available upon request by the Authorized Officer.

B. TOPSOIL

The operator shall stockpile the topsoil of the well pad. The topsoil shall not be used to backfill the reserve pit and will be used for interim and final reclamation.

C. Closed Loop System

Black Hawk 11 Federal Com. #2: Closed Loop System V-Door East

Tanks are required for drilling operations: No Pits.

The operator shall properly dispose of drilling contents at an authorized disposal site.

D. FEDERAL MINERAL MATERIALS PIT

If the operator elects to surface the access road and/or well pad, mineral materials extracted during construction of the reserve pit may be used for surfacing the well pad and access road and other facilities on the lease.

Payment shall be made to the BLM prior to removal of any additional federal mineral materials from any site other than the reserve pit. Call the Carlsbad Field Office at (575) 234-5972.

E. WELL PAD SURFACING

Surfacing of the well pad is not required.

If the operator elects to surface the well pad, the surfacing material may be required to be removed at the time of reclamation.

The well pad shall be constructed in a manner which creates the smallest possible surface disturbance, consistent with safety and operational needs.

F. ON LEASE ACCESS ROADS

Road Width

The access road shall have a driving surface that creates the smallest possible surface disturbance and does not exceed fourteen (14) feet in width. The maximum width of surface disturbance, when constructing the access road, shall not exceed thirty (30) feet.

Surfacing

Surfacing material is not required on the new access road driving surface. If the operator elects to surface the new access road or pad, the surfacing material may be required to be removed at the time of reclamation.

Where possible, no improvements should be made on the unsurfaced access road other than to remove vegetation as necessary, road irregularities, safety issues, or to fill low areas that may sustain standing water.

The Authorized Officer reserves the right to require surfacing of any portion of the access road at any time deemed necessary. Surfacing may be required in the event the road deteriorates, erodes, road traffic increases, or it is determined to be beneficial for future field development. The surfacing depth and type of material will be determined at the time of notification.

Crowning

Crowning shall be done on the access road driving surface. The road crown shall have a grade of approximately 2% (i.e., a 1" crown on a 14' wide road). The road shall conform to Figure 1; cross section and plans for typical road construction.

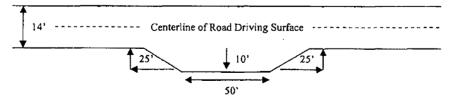
Ditching

Ditching shall be required on both sides of the road.

Turnouts

Vehicle turnouts shall be constructed on the road. Turnouts shall be intervisible with interval spacing distance less than 1000 feet. Turnouts shall be constructed on all blind curves. Turnouts shall conform to the following diagram:

Standard Turnout - Plan View

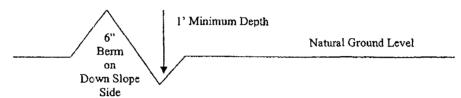


Drainage

Drainage control systems shall be constructed on the entire length of road (e.g. ditches, sidehill outsloping and insloping, lead-off ditches, culvert installation, and low water crossings).

A typical lead-off ditch has a minimum depth of 1 foot below and a berm of 6 inches above natural ground level. The berm shall be on the down-slope side of the lead-off ditch.

Cross Section of a Typical Lead-off Ditch



All lead-off ditches shall be graded to drain water with a 1 percent minimum to 3 percent maximum ditch slope. The spacing interval are variable for lead-off ditches and shall be determined according to the formula for spacing intervals of lead-off ditches, but may be amended depending upon existing soil types and centerline road slope (in %);

Formula for Spacing Interval of Lead-off Ditches

Example - On a 4% road slope that is 400 feet long, the water flow shall drain water into a lead-off ditch. Spacing interval shall be determined by the following formula:

400 foot road with 4% road slope: $\frac{400'}{4\%} + 100' = 200'$ lead-off ditch interval

Culvert Installations

Appropriately sized culvert(s) shall be installed at the deep waterway channel flow crossing.

Cattleguards

An appropriately sized cattleguard(s) sufficient to carry out the project shall be installed and maintained at fence crossing(s).

Any existing cattleguard(s) on the access road shall be repaired or replaced if they are damaged or have deteriorated beyond practical use. The operator shall be responsible for the condition of the existing cattleguard(s) that are in place and are utilized during lease operations.

A gate shall be constructed and fastened securely to H-braces.

Fence Requirement

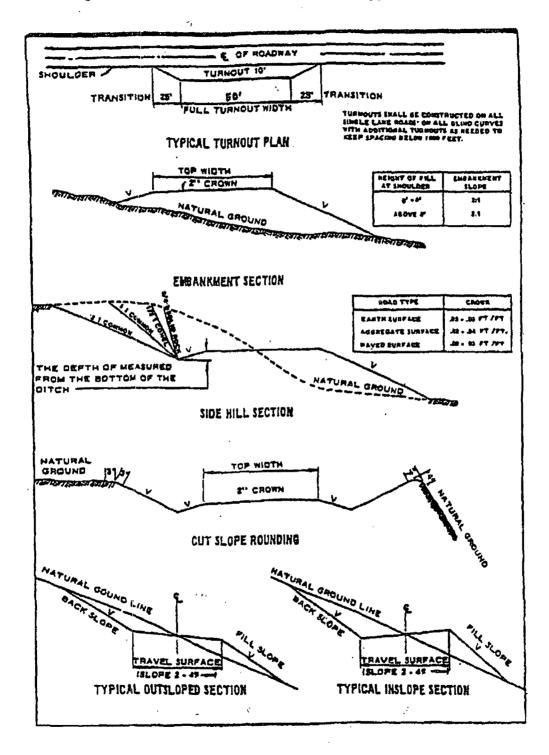
Where entry is required across a fence line, the fence shall be braced and tied off on both sides of the passageway prior to cutting.

The operator shall notify the private surface landowner or the grazing allotment holder prior to crossing any fence(s).

Public Access

Public access on this road shall not be restricted by the operator without specific written approval granted by the Authorized Officer.

Figure 1 - Cross Sections and Plans For Typical Road Sections



VII. DRILLING

A. DRILLING OPERATIONS REQUIREMENTS

The BLM is to be notified a minimum of 4 hours in advance for a representative to witness:

- a. Spudding well
- b. Setting and/or Cementing of all casing strings
- c. BOPE tests

⊠ Eddy County

Call the Carlsbad Field Office, 620 East Greene St., Carlsbad, NM 88220, (575) 361-2822

- 1. Although Hydrogen Sulfide has not been reported in this section, it is always a potential hazard. If Hydrogen Sulfide is encountered, please report measured amounts and formations to the BLM. The phone numbers in the H2S Contingency plan has incorrect area codes (should be 575).
- 2. Unless the production casing has been run and cemented or the well has been properly plugged, the drilling rig shall not be removed from over the hole without prior approval.
- 3. Floor controls are required for 3M or Greater systems. These controls will be on the rig floor, unobstructed, readily accessible to the driller and will be operational at all times during drilling and/or completion activities. Rig floor is defined as the area immediately around the rotary table; the area immediately above the substructure on which the draw works are located, this does not include the dog house or stairway area.

B. CASING

Changes to the approved APD casing and cement program require submitting a sundry and receiving approval prior to work. Failure to obtain approval prior to work will result in an Incident of Non-Compliance being issued.

Centralizers required on surface casing per Onshore Order 2.III.B.1.f.

Wait on cement (WOC) time for a primary cement job will be a minimum 18 hours for a water basin, 24 hours in the potash area, or 500 pounds compressive strength, whichever is greater for all casing strings. Provide compressive strengths including hours to reach required 500 pounds compressive strength prior to cementing each casing string. See individual casing strings for details regarding lead cement slurry requirements.

No pea gravel permitted for remedial or fall back remedial without prior authorization from the BLM engineer.

High cave/karst area.

Possible lost circulation in the Grayburg and San Andres formations. High pressure gas bursts possible within the Wolfcamp formation – applies to the pilot hole.

- 1. The 13 3/8 inch surface casing shall be set at approximately 400 feet (below the Yates into the Seven Rivers Dolomite) and cemented to the surface.
 - a. If cement does not circulate to the surface, the appropriate BLM office shall be notified and a temperature survey utilizing an electronic type temperature survey with a surface log readout will be used or a cement bond log shall be run to verify the top of the cement.
 - b. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry. This will not be applicable if proposed cement program is used.
 - c. Wait on cement (WOC) time for a remedial job will be a minimum of 4 hours after bringing cement to surface or 500 pounds compressive strength, whichever is greater.
 - d. If cement falls back, remedial cementing will be done prior to drilling out that string.
- 2. The minimum required fill of cement behind the 9-5/8 inch intermediate casing is:
 - Cement to surface. If cement does not circulate see B.1.a, c-d above. Wait on cement (WOC) time for a primary cement job is to include the lead cement slurry due to cave/karst concerns.

If 75% or greater lost circulation occurs while drilling the intermediate casing hole, the cement on the production casing must come to surface with the wait on cement (WOC) time for a primary cement job to include the lead cement slurry due to cave/karst concerns.

- 3. The minimum required fill of cement behind the 7 inch production casing is:
 - Cement to surface. If cement does not circulate, contact the appropriate BLM office.

A plug is required at the bottom of the pilot hole – plug to be a minimum of 170' in length. Plug is to be tagged. Recommend that operator consider placing plug from bottom of hole to kick-off point, which will eliminate the need for the tag on the bottom plug.

- 4. The minimum required fill of cement behind the 4-1/2 inch production liner is:
 - No cement required using packer system. Liner tie-back of 100' approved.
- 5. If hardband drill pipe is rotated inside casing, returns will be monitored for metal. If metal is found in samples, drill pipe will be pulled and rubber protectors which have a larger diameter than the tool joints of the drill pipe will be installed prior to continuing drilling operations.

C. PRESSURE CONTROL

- All blowout preventer (BOP) and related equipment (BOPE) shall comply with well control requirements as described in Onshore Oil and Gas Order No. 2 and API RP 53 Sec. 17.
- 2. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the surface casing shoe shall be 2000 (2M) psi.
- 3. Minimum working pressure of the blowout preventer (BOP) and related equipment (BOPE) required for drilling below the 9 5/8 intermediate casing shoe shall be 3000 (3M) psi.
- 4. The appropriate BLM office shall be notified a minimum of 4 hours in advance for a representative to witness the tests.
 - a. The tests shall be done by an independent service company.
 - b. The results of the test shall be reported to the appropriate BLM office.
 - c. All tests are required to be recorded on a calibrated test chart. A copy of the BOP/BOPE test chart and a copy of independent service company test will be submitted to the appropriate BLM office.
 - d. The BOP/BOPE test shall include a low pressure test from 250 to 300 psi. The test will be held for a minimum of 10 minutes if test is done with a test plug and 30 minutes without a test plug.

- e. BOP/BOPE must be tested by an independent service company within 500 feet of the top of the Wolfcamp formation if the time between the setting of the intermediate casing and reaching this depth exceeds 20 days. This test does not exclude the test prior to drilling out the casing shoe as per Onshore Order No. 2. Applies to pilot hole.
- f. Effective November 1, 2008, no variances will be granted on reduced pressure tests on the surface casing and BOP/BOPE. Onshore Order 2 requirements will be in effect.

D. DRILLING MUD

Mud system monitoring equipment, with derrick floor indicators and visual and audio alarms, shall be operating before drilling into the **Wolfcamp** formation, and shall be used until production casing is run and cemented.

E. DRILL STEM TEST

If drill stem tests are performed, Onshore Order 2.III.D shall be followed.

RGH 041609

VIII. PRODUCTION (POST DRILLING)

A. WELL STRUCTURES & FACILITIES

Placement of Production Facilities

Production facilities should be placed on the well pad to allow for maximum interim recontouring and revegetation of the well location.

Containment Structures

The containment structure shall be constructed to hold the capacity of the entire contents of the largest tank, plus 24 hour production, unless more stringent protective requirements are deemed necessary by the Authorized Officer.

Painting Requirement

All above-ground structures including meter housing that are not subject to safety requirements shall be painted a flat non-reflective paint color Shale Green, Munsell Soil Color Chart # 5Y 4/2

B. PIPELINES

BLM LEASE NUMBER: COMPANY NAME: WELL NO. & NAME:

STANDARD STIPULATIONS FOR SURFACE INSTALLED PIPELINES

A copy of the APD and attachments, including stipulations, survey plat and/or map, will be on location during construction. BLM personnel may request to you a copy of your permit during construction to ensure compliance with all stipulations.

Holder agrees to comply with the following stipulations to the satisfaction of the Authorized Officer:

- 1. The holder shall indemnify the United States against any liability for damage to life or property arising from the occupancy or use of public lands under this grant.
- 2. The holder shall comply with all applicable Federal laws and regulations existing or hereafter enacted or promulgated. In any event, the holder shall comply with the Toxic Substances Control Act of 1976 as amended, 15 USC 2601 et seq. (1982) with regards to any toxic substances that are used, generated by or stored on the right-of-way or on facilities authorized under this right-of-way grant. (See 40 CFR, Part 702-799 and especially, provisions on polychlorinated biphenyls, 40 CFR 761.1-761.193.) Additionally, any release of toxic substances (leaks, spills, etc.) in excess of the reportable quantity established by 40 CFR, Part 117 shall be reported as required by the Comprehensive Environmental Response, Compensation, and Liability Act, section 102b.

A copy of any report required or requested by any Federal agency or State government as a result of a reportable release or spill of any toxic substances shall be furnished to the authorized officer concurrent with the filing of the reports to the involved Federal agency or State government.

- 3. The holder agrees to indemnify the United States against any liability arising from the release of any hazardous substance or hazardous waste (as these terms are defined in the Comprehensive Environmental Response, Compensation and Liability Act of 1980, 42 U.S.C. 9601, et seq. or the Resource Conservation and Recovery Act, 42 U.S.C. 6901, et seq.) on the Right-of-Way (unless the release or threatened release is wholly unrelated to activity of the Right-of-Way holder's activity on the Right-of-Way), or resulting from the activity of the Right-of-Way holder on the Right-of-Way. This agreement applies without regard to whether a release is caused by the holder, its agent, or unrelated third parties.
- 4. The holder shall be liable for damage or injury to the United States to the extent provided by 43 CFR Sec. 2883.1-4. The holder shall be held to a standard of strict liability for damage or injury to the United States resulting from pipe rupture, fire, or spills caused or substantially aggravated by any of the following within the right-of-way or permit area:
- a. Activities of the holder including, but not limited to construction, operation, maintenance, and termination of the facility.
- b. Activities of other parties including, but not limited to:
 - (1) Land clearing.
 - (2) Earth-disturbing and earth-moving work.
 - (3) Blasting.
 - (4) Vandalism and sabotage.
- c. Acts of God.

The maximum limitation for such strict liability damages shall not exceed one million dollars (\$1,000,000) for any one event, and any liability in excess of such amount shall be determined by the ordinary rules of negligence of the jurisdiction in which the damage or injury occurred.

This section shall not impose strict liability for damage or injury resulting primarily from an act of war or from the negligent acts or omissions of the United States.

5. If, during any phase of the construction, operation, maintenance, or termination of the pipeline, any oil, salt water, or other pollutant should be discharged from the pipeline system, impacting Federal lands, the control and total removal, disposal, and cleaning up of such oil, salt water, or other pollutant, wherever found, shall be the responsibility of the holder, regardless of fault. Upon failure of the holder to control, dispose of, or clean

up such discharge on or affecting Federal lands, or to repair all damages resulting therefrom, on the Federal lands, the Authorized Officer may take such measures as he deems necessary to control and clean up the discharge and restore the area, including, where appropriate, the aquatic environment and fish and wildlife habitats, at the full expense of the holder. Such action by the Authorized Officer shall not relieve the holder of any responsibility as provided herein.

6	All construction	and	maintenance	activity	will	be confined	l to the	e authorized	right-of-
wa	y width of	25	feet						

- 7. No blading or clearing of any vegetation will be allowed unless approved in writing by the Authorized Officer.
- 8. The holder shall install the pipeline on the surface in such a manner that will minimize suspension of the pipeline across low areas in the terrain. In hummocky of duney areas, the pipeline will be "snaked" around hummocks and dunes rather then suspended across these features.
- 9. The pipeline shall be buried with a minimum of 24 inches under all roads, "two-tracks," and trails. Burial of the pipe will continue for 20 feet on each side of each crossing. The condition of the road, upon completion of construction, shall be returned to at least its former state with no bumps or dips remaining in the road surface.
- 10. The holder shall minimize disturbance to existing fences and other improvements on public lands. The holder is required to promptly repair improvements to at least their former state. Functional use of these improvements will be maintained at all times. The holder will contact the owner of any improvements prior to disturbing them. When necessary to pass through a fence line, the fence shall be braced on both sides of the passageway prior to cutting of the fence. No permanent gates will be allowed unless approved by the Authorized Officer.
- 11. In those areas where erosion control structures are required to stabilize soil conditions, the holder will install such structures as are suitable for the specific soil conditions being encountered and which are in accordance with sound resource management practices.
- 12. Excluding the pipe, all above-ground structures not subject to safety requirement shall be painted by the holder to blend with the natural color of the landscape. The paint used shall be a color which simulates "Standard Environmental Colors" Shale Green, Munsell Soil Color No. 5Y 4/2; designated by the Rocky Mountain Five State Interagency Committee.
- 13. The pipeline will be identified by signs at the point of origin and completion of the right-of-way and at all road crossings. At a minimum, signs will state the holder's name, BLM serial number, and the product being transported. Signs will be maintained in a legible condition for the life of the pipeline.

- 14. The holder shall not use the pipeline route as a road for purposes other than routine maintenance as determined necessary by the Authorized Officer in consultation with the holder. The holder will take whatever steps are necessary to ensure that the pipeline route is not used as a roadway.
- 15. Any cultural and/or paleontological resource (historic or prehistoric site or object) discovered by the holder, or any person working on his behalf, on public or Federal land shall be immediately reported to the authorized officer. Holder shall suspend all operations in the immediate area of such discovery until written authorization to proceed is issued by the authorized officer. An evaluation of the discovery will be made by the authorized officer to determine appropriate cultural or scientific values. The holder will be responsible for the cost of evaluation and any decision as to proper mitigation measures will be made by the authorized officer after consulting with the holder.

(March 1989)

IX. INTERIM RECLAMATION & RESERVE PIT CLOSURE

A. INTERIM RECLAMATION

If the well is a producer, interim reclamation shall be conducted on the well site in accordance with the orders of the Authorized Officer. The operator shall submit a Sundry Notices and Reports on Wells (Notice of Intent), Form 3160-5, prior to conducting interim reclamation.

During the life of the development, all disturbed areas not needed for active support of production operations should undergo interim reclamation in order to minimize the environmental impacts of development on other resources and uses.

The operators should work with BLM surface management specialists to devise the best strategies to reduce the size of the location. Any reductions should allow for remedial well operations, as well as safe and efficient removal of oil and gas.

During reclamation, the removal of caliche is important to increasing the success of revegetating the site. Removed caliche may be used for road repairs, fire walls or for building other roads and locations. In order to operate the well or complete workover operations, it may be necessary to drive, park and operate on restored interim vegetation within the previously disturbed area. Disturbing revegetated areas for production or workover operations will be allowed. If there is significant disturbance and loss of vegetation, the area will need to be revegetated. Communicate with the appropriate BLM office for any exceptions/exemptions if needed.

BLM SERIAL NO. COMPANY REFERENCE WELL NO. & NAME

Seed Mixture 4, for Gypsum Sites

The holder shall seed all disturbed areas with the seed mixture listed below. The seed mixture shall be planted in the amounts specified in pounds of pure live seed (PLS)* per acre. There shall be <u>no</u> primary or secondary noxious weeds in the seed mixture. Seed will be tested and the viability testing of seed will be done in accordance with State law(s) and within nine (9) months prior to purchase. Commercial seed will be either certified or registered seed. The seed container will be tagged in accordance with State law(s) and available for inspection by the authorized officer.

Seed will be planted using a drill equipped with a depth regulator to ensure proper depth of planting where drilling is possible. The seed mixture will be evenly and uniformly planted over the disturbed area (smaller/heavier seeds have a tendency to drop the bottom of the drill and are planted first). The holder shall take appropriate measures to ensure this does not occur. Where drilling is not possible, seed will be broadcast and the area shall be raked or chained to cover the seed. When broadcasting the seed, the pounds per acre are to be doubled. The seeding will be repeated until a satisfactory stand is established as determined by the authorized officer. Evaluation of growth will not be made before completion of at least one full growing season after seeding.

Species to be planted in pounds of pure live seed* per acre:

<u>Species</u>	lb/acre
Alkali Sacaton (Sporobolus airoides)	1.0
DWS Four-wing saltbush (Atriplex canescens)	5.0

DWS: DeWinged Seed

Pounds of seed x percent purity x percent germination = pounds pure live seed (Insert Seed Mixture Here)

^{*}Pounds of pure live seed:

X. FINAL ABANDONMENT & REHABILITATION REQUIREMENTS

Upon abandonment of the well and/or when the access road is no longer in service the Authorized Officer shall issue instructions and/or orders for surface reclamation and restoration of all disturbed areas.

On private surface/federal mineral estate land the reclamation procedures on the road and well pad shall be accomplished in accordance with the private surface land owner agreement.

District | 1 | 1625 N French Dr. Hobbs, NM 88240 | District | 1301 W Grand Avenue, Artesia, NM 88210 | District | 11 | 1000 Rio Brazos Road, Aztec, NM 87410 | District | 1V | 1220 S St Francis Dr. Santa Fe, NM 87505

State of New Mexico Energy Minerals and Natural Resources Department Oil Conservation Division

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 MAY 27 2009

Form C-144 CLEZ July 21, 2008

For closed-loop systems that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure, submit to the appropriate NMOCD District Office.

Closed-Loop System Permit or Closure Plan Application

(that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure)

Type of action:

Permit Closure

closed-loop system that only use above ground steel tanks or haul-off bins and propose to implement waste removal for closure, please submit a Form C-144.
Please be advised that approval of this request does not relieve the operator of liability should operations result in pollution of surface water, ground water or the
environment. Nor does approval relieve the operator of its responsibility to comply with any other applicable governmental authority's rules, regulations or ordinances.
Operator. COG OPERATING LLC OGRID #: 229137
Address: 550 WEST TEXAS, SUITE 1300 MIDLAND, TX 79701
Facility or well name. BLACKHAWK 11 FEDERAL #2
API Number: 30-015- 37 \0(e) OCD Permit Number: 0209.350
U/L or Qtr/Qtr UL K Section 11 Township 16S Range 28E County EDDY
Surface Owner M Federal M State M Private M Tribal Trust or Indian Allotment
Z.
☐ Closed-loop System: Subsection H of 19.15 17.11 NMAC Operation: ☐ Drilling a new well ☐ Workover or Drilling (Applies to activities which require prior approval of a permit or notice of intent) ☐ P&A
☐ Above Ground Steel Tanks or ☐ Haul-off Bins
1.
Signs: Subsection C of 19.15.17 11 NMAC
12"x 24", 2" lettering, providing Operator's name, site location, and emergency telephone numbers
Signed in compliance with 19.15.3.103 NMAC
4. Closed-loop Systems Permit Application Attachment Checklist: Subsection B of 19.15.17.9 NMAC
Instructions: Each of the following items must be attached to the application. Please indicate, by a check mark in the box, that the documents are
attached.
 ☑ Design Plan - based upon the appropriate requirements of 19.15.17 11 NMAC ☑ Operating and Maintenance Plan - based upon the appropriate requirements of 19.15 17.12 NMAC
Closure Plan (Please complete Box 5) - based upon the appropriate requirements of Subsection C of 19.15.17.9 NMAC and 19.15.17.13 NMAC
Previously Approved Design (attach copy of design) API Number:
Previously Approved Operating and Maintenance Plan API Number.
5. Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: (19 15 17.13.D NMAC)
Instructions: Please indentify the facility or facilities for the disposal of liquids, drilling fluids and drill cuttings. Use attachment if more than two
facilities are required.
Disposal Facility Name: CRI Disposal Facility Permit Number: R1966
Disposal Facility Name: GM INC Disposal Facility Permit Number. 711-019-001 Will any of the proposed closed-loop system operations and associated activities occur on or in areas that will not be used for future service and operations?
Yes (If yes, please provide the information below) No
Required for impacted areas which will not be used for future service and operations
☐ Soil Backfill and Cover Design Specifications based upon the appropriate requirements of Subsection H of 19,15.17 13 NMAC ☐ Re-vegetation Plan - based upon the appropriate requirements of Subsection I of 19.15.17.13 NMAC
Site Reclamation Plan - based upon the appropriate requirements of Subsection G of 19 15 17.13 NMAC

form C-14 CLLZ

Operator Application Certification:

Name (Print):

e-mail address:

Signature:_

Oil Contervation Division

I hereby certify that the information submitted with this application is true, accurate and complete to the best of my knowledge and belief.

EDWARDS

pedwards@conchoresources.com

Page Lof 2

REGULATORY ANALYST

10-23-08

Date:

Telephone.

	OCD Approval: Permit Application (including elesure plan) Closure Plan (only)
	OCD Representative Signature: Approval Date: 5/28/2005
	Title: OCD Permit Number: O 350
	Closure Report (required within 60 days of closure completion): Subsection K of 19.15.17.13 NMAC Instructions: Operators are required to obtain an approved closure plan prior to implementing any closure activities and submitting the closure report. The closure report is required to be submitted to the division within 60 days of the completion of the closure activities. Please do not complete this section of the form until an approved closure plan has been obtained and the closure activities have been completed. Closure Completion Date:
إ	
	9 Closure Report Regarding Waste Removal Closure For Closed-loop Systems That Utilize Above Ground Steel Tanks or Haul-off Bins Only: Instructions: Please indentify the facility or facilities for where the liquids, drilling fluids and drill cuttings were disposed. Use attachment if more than two facilities were utilized.
	Disposal Facility Name: Disposal Facility Permit Number
	Disposal Facility Name Disposal Facility Permit Number:
	Were the closed-loop system operations and associated activities performed on or in areas that will not be used for future service and operations? Yes (If yes, please demonstrate compliance to the items below) \(\subseteq \) No
	Required for impacted areas which will not be used for future service and operations Site Reclamation (Photo Documentation) Soil Backfilling and Cover Installation Re-vegetation Application Rates and Seeding Technique
	10. Operator Closure Certification: I hereby certify that the information and attachments submitted with this closure report is true, accurate and complete to the best of my knowledge and belief. I also certify that the closure complies with all applicable closure requirements and conditions specified in the approved closure plan.
	Name (Print): Title:
	Signature Date:
	e-mail address:Telephone:

Closed Loop Operation & Maintenance Procedure

All drilling fluid circulated over shaker(s) with cuttings discharged into roll off container.

Fluid and fines below shaker(s) are circulated with transfer pump through centrifuge(s) or solids separator with cuttings and fines discharged into roll off container.

Fluid is continuously re-circulated through equipment with polymer added to aid separation of cutting fines.

Roll off containers are lined and de-watered with fluids re-circulated into system.

Additional tank is used to capture unused drilling fluid or cement returns from casing jobs.

This equipment will be maintained 24 hrs./day by solids control personnel and or rig crews that stay on location.

Cuttings will be hauled to either:

CRI (permit number R9166) or GMI (permit number 711-019-001)

dependent upon which rig is available to drill this well.

CCD-ARTERIA

		C. C. C. S. F. C. J.	COMA			
	UNITED STATES DEPARTMENT OF THE IN BUREAU OF LAND MANAC			5 Lease Sena	FORM APPROVED OMB No 1804-0137 Expires Maich 31, 3007	
SUNDRY	NOTICES AND REPO	BTS ON WE	118	V.ARIO		
Do not use t	his form for proposals to rell. Use Form 3160-3 (AP	drill or to re-	enter an	6 Lf Indian	Allottee or Tribe Name	
	IPLICATE- Other instruc		1	7 If Unit or	CA/Agreement, Name and/or No	
1 Type of Well Oil Well [Gas Well 00 Other		7 2010	8 Well Nar VARIO		
2 Name of Operator COG Opera			ARTESIA	9 API We	Il No.	
3a Address 550 W. Texas Ave., Suite 1300	Midland, TX 79701	b Phone No (included 432-685-4340	c area code)	10 Field and Pool, or Exploratory Area VARIOUS		
4 Location of Well (Footage, Sec.	T, R, M, or Survey Description)			<u></u>	or Parish, State	
VARIOUS				VARIO		
12. CHECK A	PPROPRIATE BOX(ES) TO IN	DICATE NATU	RE OF NOTICE, R	EPORT, OR	OTHER DATA	
TYPE OF SUBMISSION		TY	PE OF ACTION			
Notice of Intent	Acidize Alter Casing	Deepen Fracture Treat	Production (Sta	rt/Resume)	Water Shut-Off Well Integrity	
Subsequent Report	Casing Repair Change Plans	New Construction	Recomplete Temporarily Ab		Other Amend attached	
Final Abandonment Notice	Convert to Injection	Plug and Abandon Plug Back	Water Disposal	ancon	IN OUNT DE	
Attach the Bond under which to following completion of the intesting has been completed. Find determined that the site is read Regarding the attached in COG Operating LLC will The topsoil will be stocked.	ectionally or recomplete horizontally, g the work will be performed or provide t volved operations. If the operation rest volved operations. If the operation rest volved operations. If the operation rest volved operations. It of APD's and locations, please b volved and used during interim recla volved and used during interim recla volved is not available, COG will pu	the Bond No. on file ults in a multiple comp donly after all require the advised that: BLM to be purchaumation.	with BLM/BIA. Require pletion or recompletion in iments, including reclama .sed at the current rat	d subsequent re n a new interval ation, have beer	ports shall be filed within 30 days, a Form 3160-4 shall be filed once a completed, and the operator has	
in the event that there is r	no BLM casiche pit within five mil	es of the location, (COG will obtain calle	he from a sta	te or private pit.	
* BM Received	TO: Bureau of Land Managemer	nt in Carlebad and	Roswell, NM Lany tim	e if D	rocers altered.	
14 I hereby certify that the fore Name (Printed/Typed)	going is true and correct	1		1-		
Phyllis Edwards		Title R	egulatory Analyst			
Signatore Press	Min dewan	Date	12	/10/2009		
	THIS SPACE FOR FE	DERAL OR S	TATE OFFICE	USE		
certify that the applicant holds legal which would entitle the applicant to		s not warrant or subject lease	itle SEAS		ate 1-5-1D	
States phy folse, fictitious or fraudul	ent statements or representations as to	me 10r any person kn o any matter within it	owingly and willfully to purisdiction.	make to any	department or agency of the United	
(Instructions on page 2)						

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EDDY COUNTY, NM

			Lease		
Well Name	County	API#	Number	Location	Sec, Township, Range
Blackhawk 11 Federal 1	Eddy	3001536541	NMNM95830	430 FSL, 430 FWL	Sec 11, T16S, R28E, Unit M
Blackhawk 11 Federal 2H	Eddy	3001537108	NMNM95630	1800 FSL, 1590 FWL	Sec 11, T16S, R28E, Unit K
Blitzen 35 Federal 1	Eddy	3001536044	STATE	330 FNL, 990 FEL	Sec 35, T16S, R28E, Unit A
		Car Billian	NMNM103876	330 FNL, 330 FWL	Sec 35, T16S, R28E, Unit D
Blitzen 35 Federal 2	Eddy	3001536058	STATE	1800 FNL, 330 FEL	Sec 35, T16S, R28E, Unit H
		BHL	NMNM103876	1800 FNL, 330 FWL	Sec 35, T16S, R28E, Unit E
Blue Thunder 5 Fed #2	Eddy	3001535550	NMLC069033	1200 FNL, 1980 FWL	Sec 5, T19S, R31E, Unit C
Caddo Federal #8	Eddy	3001536672	NMNM2933	330 FNL 1650 FEL	Sec 17, T17S, R30E, Unit B
Carlbou 19 Federal Com #1	Eddy	3001536540	NMNM103873	430 FSL, 430 FEL	Sec 19, T16S, R28E, Unit P
Caribou 19 Federal Com #2	Eddy	3001536539	NMNM103873	1980 FSL, 790 FEL	Sec 19, T16S, R28E, Unit I
Carmen Federal #2	Eddy		NMLC029020M	2423 FNL 1814 FWL	Sec 3, T17S, R30E, Unit F
Dexter Federal #10	Eddy	3001537351	NMLC029020G	1485 FSL 865 FEL	Sec 22, T17S, R30E, Unit I
Dexter Federal #14	Eddy	3001537352	NMLC029020G	1650 FSL 1650 FWL	Sec 22, T17S, R30E, Unit K
Donner 30 Federal Com #4	Eddy	3001535715	NMNM054856	330 FNL; 330 FEL	Sec 30, T16S, R28E, Unit A
Electra Federal #38	Eddy	3001537080	NMNM074935	870 FNL, 2310 FWL	Sec 15, T17S, R30E, Unit C
Electra Federal #39	Eddy	3001537082	NMNM074935	990 FNL, 330 FWL	Sec 15, T17S, R30E, Unit D
Electra Federal #40	Eddy	3001537081	NMNM074935	330 FNL, 990 FWL	Sec 15, T17S, R30E, Unit D
Electra Federal #41	Eddy	3001537087	NMNM074935	675 FSL, 1175 FWL	Sec 10, T17S, R30E, Unit M
Electra Federal #42	Eddy	3001537086	NMNM074935	1110 FSL, 330 FWL	Sec 10, T17S, R30E, Unit M
Electra Federal #43	Eddy	301536961	NMNM074935	745 FSL, 1680 FWL	Sec 10, T17S, R30E, Unit N
Electra Federal #44	Eddy	3001537088	NMNM074935	350 FSL, 2495 FWL	Sec 10, T17S, R30E, Unit N
Electra Federal #45	Eddy	3001537226	NMNM074935	2185 FSL, 370 FWL	Sec 10, T17S, R30E, Unit L
Electra Federal #46	Eddy	3001537107	NMNM074935	1735 FNL, 930 FWL	Sec 10, T17S, R30E, Unit L
Electra Federal #47	Eddy	3001537223	NMNM0467931	2310 FSL, 1650 FWL	Sec 10, T17S, R30E, Unit K
Electra Federal #48	Eddy	3001537279	NMNM0467931	1650 FSL, 2310 FWL	Sec 10, T17S, R30E, Unit K
Electra Federal #50	Eddy		NMNM074935	2490 FNL, 1140 FWL	Sec 10, T17S, R30E, Unit E
Electra Federal #54	Eddy	3001537247	NMNM074935	2310 FNL, 1650 FEL	Sec 10, T17S, R30E, Unit G
Electra Federal #57	Eddy		NMNM074935	485 FNL, 990 FWL	Sec 10, T17S, R30E, Unit D
Electra Federal #59	Eddy		NMNM074935	1065 FNL, 2310 FWL	Sec 10, T17S, R30E, Unit C
Electra Federal #61	Eddy		NMNM074935	786 FNL, 1977 FEL	Sec 10, T17S, R30E, Unit B
Electra Federal #63	Eddy	3001537225	NMNM074935	790 FNL, 330 FEL	Sec 10, T17S, R30E, Unit A
Folk Fed #13	Eddy	3001536863	NMNM0397623	990 FNL, 2310 FEL	Sec 17, T17S, R29E, Unit B
Folk Fed #21	Eddy		NMNM0397623	330 FNL, 1650 FWL	Sec 17, T17S, R29E, Unit C
Folk Fed #29	Eddy		NMNM0397623	1650 FNL, 1650 FWL	Sec 17, T17S, R29E, Unit F
Folk Fed #31	Eddy		NMNM0397623	2310 FNL, 2310 FEL	Sec 17, T17S, R29E, Unit G
Folk Fed #36	Eddy	3001537246	NMNM0397623	1520 FSL, 1550 FWL	Sec 17, T17S, R29E, Unit K
Folk Fed #38	Eddy		NMNM0397623	1500 FSL, 2310 FWL	Sec 17, T17S, R29E, Unit K
Folk Fed #41	Eddy		NMNM0397823	2540 FSL, 400 FWL	Sec 17, T17S, R29E, Unit L
Folk Fed #5	Eddy	3001536747	NMNM0397623	1250 FNL, 330 FWL	Sec 17, T17S, R29E, Unit D

EDDY COUNTY, NM

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Well Name	County	API#	Number	Location	Sec, Township, Range
Gissler Federal #26	Eddy		NMNM83591	80 FSL 310 FEL	Sec 5, T17S, R30E, Unit P
Harvard Federal #13	Eddy		NMLC029338B	330 FNL 990 FEL	Sec 11, T17S, R30E, Unit A
Harvard Federal #14	Eddy		NMLC029338B	990 FNL 510 FEL	Sec 11, T17S, R30E, Unit A
Harvard Federal #15	Eddy	3001537307	NMLC029338B	1845 FNL 811 FEL	Sec 11, T17S, R30E, Unit H
Harvard Federal #16	Eddy		NMLC029338B	2310 FNL 330 FEL	Sec 11, T17S, R30E, Unit H
Harvard Federal #17	Eddy		NMLC029338B	330 FNL 990 FWL	Sec 12, T17S, R30E, Unit D
Harvard Federal #18	Eddy		NMLC029338B	990 FNL 990 FWL	Sec 12, T17S, R30E, Unit D
Harvard Federal #20	Eddy		NMLC029338B	2310 FNL 990 FWL	Sec 12, T17S, R30E, Unit E
High Lonesome 23 Federal Com 2H	Eddy	3001537221	NMNM118710	1980 FSL, 430 FEL	Sec 23, T16S, R29E, Unit I
High Lonesome 24 Federal Com 1H	Eddy		NMNM118710	990 FNL, 360 FWL	Sec 24, T16S, R29E, Unit D
High Lonesome 25 Federal Com 1H	Eddy	3001537275	NMNM118710	430 FNL, 660 FWL	Sec 25, T16S, R29E, Unit D
High Lonesome 26 Federal Com 2H	Eddy	3001535894	NMNM118710	2030 FNL, 530 FEL	Sec 26, T16S, R29E, Unit H
Holder CB Federal #16	Eddy	3001536671	NMLC056551A	2310 FSL 330 FWL	Sec 9, T17S, R30E, Unit L
Holder CB Federal #19	Eddy	3001537276	NMLC056551A	330 FSL 990 FWL	Sec 9, T17S, R30E, Unit M
Impala 18 Fed Com 1H	Eddy	3001536865	NMNM103871	430 FSL, 430 FWL	Sec 18, T16S, R28E, Unit M
Loco Hills SWD 3-34	Eddy	3001537270	NMNM0384574	1375 FSL, 2655 FEL	Sec 34, T17S, R30E, Unit J
Loco Hills SWD 4-33	Eddy	3001537269	NMNM028936D	840 FSL, 660 FEL	Sec 33, T17S, R30E, Unit P
McIntyre A East #20	Eddy	3001536909	NMLC054280	1586 FSL, 525 FEL	Sec 20, T17S, R30E, Unit I
McIntyre DK Federal #15	Eddy	3001535475	NMNM88025	330 FSL, 2250 FWL	Sec 17, T17S, R30E, Unit N
McIntyre DK Federal #16	Eddy	3001535476	NMNM86025	330 FSL, 990 FWL	Sec 17, T17S, R30E, Unit M
McIntyre DK Federal #17	Eddy		NMNM86025	990 FSL, 330 FWL	Sec 17, T17S, R30E, Unit M
Miranda Federal 1	Eddy	3001537320	NMLC0029342D	2310 FNL 1850 FWL	Sec 9, T17S, R30E, Unit F
Miranda Federal 2	Eddy	3001537332	NMLC0029342D	2130 FNL 2260 FEL	Sec 9, T17S, R30E, Unit G
Miranda Federal 3	Eddy	3001537318	NMLC0029342D	2185 FNL 1290 FEL	Sec 9, T17S, R30E, Unit H
Miranda Federal 4	Eddy	3001537319	NMLC0029342D	990 FNL 1890 FWL	Sec 9, T17S, R30E, Unit C
Miranda Federal 5	Eddy	3001537317	NMLC0029342D	870 FNL 2310 FEL	Sec 9, T17S, R30E, Unit B
Miranda Federal 6	Eddy	3001537315	NMLC0029342D	990 FNL 990 FEL	Sec 9, T17S, R30E, Unit A
Moose 23 Fed 2H	Eddy	3001537101	NMNM117117	800 FNL, 660 FWL	Sec 23, T16S, R28E, Unit D
Polaris B Federal 22	Eddy	3001536708	NMLC029342B	1650 FSL 330 FEL	Sec 9, T17S, R30E, Unit I
Polaris B Federal 23	Eddy	3001536709	NMLC029342B	2270 FSL 2310 FEL	Sec 9, T17S, R30E, Unit J
Polaris B Federal 27	Eddy	3001536666	NMLC029342B	790 FSL 1650 FWL	Sec 9, T17S, R30E, Unit N
Polaris B Federal 28	Eddy	3001536684	NMLC029342B	330 FSL 2110 FWL	Sec 9, T17S, R30E, Unit N
Polaris B Federal 29	Eddy	3001536665	NMLC029342B	500 FSL 2310 FEL	Sec 9, T17S, R30E, Unit O
Polaris B Federal 30	Eddy	3001536893	NMLC029342B	330 FSL 1750 FEL	Sec 9, 717S, R30E, Unit O
Polaris B Federal 32	Eddy	3001536667	NMLC029342B	630 FSL 780 FEL	Sec 9, T17S, R30E, Unit P
Reindeer 21 Federal #4	Eddy	3001536542	NMNM100844	1980 FSL, 430 FWL	Sec 21, T18S, R28E, Unit L
RJ Unit #141	Eddy	3001537140	NMLC028775B	1090 FSL, 1573 FWL	Sec 27, T17S, R29E, Unit N
RJ Unit #142	Eddy	3001537139	NMLC028775B	1753 FSL, 2188 FWL	Sec 27, T17S, R29E, Unit K
RJ Unit #143	Eddy	3001537138	NMLC028775B	564 FSL, 2630 FWL	Sec 27, T17S, R29E, Unit N
Rudolph Federal #1	Eddy	3001535426	NMNM100844	330 FSL, 1650 FWL	Sec 21, T16S, R28E, Unit N
Rudolph Federal #2	Eddy	3001535421	NMNM100844	990 FSL, 1650 FEL	Sec 21, T16S, R28E, Unit O
Rudolph Federal #3	Eddy	3001535422	NMNM100844	2310 FSL, 1650 FEL	Sec 21, T16S, R28E, Unit J

EDDY COUNTY, NM

	 1		Lease	<u> </u>	T
Well Name	County	API#	Number	Location	Sec, Township, Range
Skelly Unit #613	Eddy	3001537186	NMNM98120	2410 FSL, 1600 FWL	Sec 23, T17S, R31E, Unit K
Skelly Unit #614	Eddy		NMNM98120	2310 FSL, 2310 FEL	Sec 23, T17S, R31E, Unit J
Skelly Unit #620	Eddy	3001536779	NMLC029418A	1650 FSL, 990 FWL	Sec 14, T17S, R31E, Unit L
Skelly Unit #623	Eddy	3001536833	NMNM98120	330 FNL, 2150 FWL	Sec 14, T17S, R31E, Unit C
Skelly Unit #626	Eddy	3001536980	NMLC029419A	2210 FNL, 990 FWL	Sec 22, T17S, R31E, Unit E
Skelly Unit #634	Ecldy	3001536965	NMLC029418A	200 FSL, 2355 FWL	Sec 14, T17S, R31E, Unit N
Skelly Unit #635	Eddy		NMLC029420A	1430 FSL, 2230 FWL	Sec 15, T17S, R31E, Unit K
Skelly Unit #642	Eddy		NMLC029418A	695 FNL, 530 FEL	Sec 14, T17S, R31E, Unit A
Skelly Unit #651	Eddy		NM98120	990 FNL, 990 FEL	Sec 14, T17S, R31E, Unit A
Skelly Unit #654	Eddy		NMNM98120	990 FNL, 990 FWL	Sec 14, T17S, R31E, Unit D
Skelly Unit #855	Eddy		NMNM98120	990 FNL, 1650 FEL	Sec 14, T17S, R31E, Unit B
Skelly Unit #658	Eddy		NMNM98120	990 FNL, 2310 FWL	Sec 14, T17S, R31E, Unit C
Skelly Unit #660	Eddy	3001537245	NMLC029418A	1265 FSL, 1173 FEL	Sec 14, T17S, R31E, Unit P
Skelly Unit #685	Eddy		NMLC029418A	1977 FNL, 640 FEL	Sec 14, T17S, R31E, Unit H
Skelly Unit #672	Eddy		NMNM98120	1650 FSL, 1650 FEL	Sec 14, T17S, R31E, Unit J
Skelly Unit #675	Eddy		NMNM98120	2310 FNL, 330 FEL	Sec 14, T17S, R31E, Unit H
Skelly Unit #678	Eddy		NMLC029418A	2500 FNL, 990 FWL	Sec 14, T17S, R31E, Unit E
Skelly Unit #879	Eddy		NMNM98120	2310 FNL, 1650 FEL	Sec 14, T17S, R31E, Unit G
Skelly Unit #682	Eddy		NMLC029418A	2310 FNL, 2290 FWL	Sec 14, T17S, R31E, Unit F
Skelly Unit #689	Eddy		NMNM98122	330 FNL, 330 FWL	Sec 21, T17S, R31E, Unit D
Skelly Unit #700	Eddy	-	NMNM98122	990 FNL, 2310 FWL	Sec 21, T17S, R31E, Unit D
Skelly Unit #711	Eddy		NMNM98122	1650 FNL, 330 FWL	Sec 21, T17S, R31E, Unit E
Skelly Unit #724	Eddy		NMNM98122	2310 FNL, 990 FWL	Sec 21, T17S, R31E, Unit E
Skelly Unit #767	Eddy	SHL	NMLC029418A	140 FSL, 1115 FEL	Sec 14, T17S, R31E, Unit P
Skelly Unit #767	Eddy	BHL	NMLC029418A	330 FNL, 990 FEL	Sec 23, T17S, R31E, Unit A
Skelly Unit #771	Eddy		NMLC029418A	330 FNL, 2310 FWL	Sec 23, T17S, R31E, Unit C
Skelly Unit #783	Eddy		NMLC029418A	990 FNL, 1650 FWL	Sec 23, T17S, R31E, Unit B
Skelly Unit #795	Eddy		NMNM98120	1525 FNL, 990 FEL	Sec 23, T17S, R31E, Unit H
Skelly Unit #819	Eddy		NMLC029420A	670 FNL, 771 FWL	Sec 15, T17S, R31E, Unit D
Skelly Unit #820	Eddy		NMLC029420A	330 FNL, 990 FEL	Sec 15, T17S, R31E, Unit A
Skelly Unit #823	Eddy		NMLC029420A	330 FNL, 1650 FWL	Sec 15, T17S, R31E, Unit C
Skelly Unit #824	Eddy		NMLC029420A	430 FNL, 2310 FWL	Sec 15, T17S, R31E, Unit C
Skelly Unit #829	Eddy		NMLC029420A	990 FNL, 990 FEL	Sec 15, T17S, R31E, Unit A
Skelly Unit #832	Eddy		NMLC029420A	990 FNL, 990 FWL	Sec 15, T17S, R31E, Unit D
Skelly Unit #833	Eddy		NMLC029420A	990 FNL, 1650 FEL	Sec 15, T17S, R31E, Unit B
Skelly Unit #836	Eddy		NMLC029420A	990 FNL, 2310 FWL	Sec 15, T17S, R31E, Unit C
Skelly Unit #849	Eddy		NMLC029420A	1650 FSL, 2310 FEL	Sec 15, T17S, R31E, Unit J
Skelly Unit #978	Eddy	3001536062	NMLC029419A	330 FNL, 2310 FEL	Sec 22, T17S, R31E, Unit B
Skelly Unit #980	Eddy	3001536063	NMLC029419A	990 FNL, 2310 FWL	Sec 22, T17S, R31E, Unit C
Skelly Unit #982	Eddy	3001536515	NMLC029419A	990 FNL, 330 FEL	Sec 22, T17S, R31E, Unit A
Skelly Unit #987	Eddy	3001536497	NMLC029419A	1800 FNL, 2300 FEL	Sec 22, T17S, R31E, Unit G
Skelly Unit #995	Eddy	3001536473	NMLC029419A	990 FSL, 860 FWL	Sec 15, T17S, R31E, Unit M
Tex-Mack 11 Federal #10	E.ddy	3001536851	NMLC029418B	500 FNL, 2030 FEL	Sec 11, T17S, R31E, Unit B
Tex-Mack 11 Federal #11	Eddy		NMLC029418B	330 FNL, 330 FEL	Sec 11, T17S, R31E, Unit A
Tex-Mack 11 Federal #5	Eddy	3001536847	NMLC029418B	800 FSL, 600 FEL	Sec 11, T17S, R31E, Unit P
Tex-Mack 11 Federal #27	Eddy		NMLC029418B	990 FNL, 990 FEL	Sec 11, T17S, R31E, Unit A
Tex-Mack 11 Federal #35	Eddy		NMLC029418B	990 FSL, 990 FWL	Sec 11, T17S, R31E, Unit M
Tex-Mack 11 Federal #39	E.ddy		NMLC029418B	990 FNL, 2310 FWL	Sec 11, T17S, R31E, Unit N
Tex-Mack 11 Federal #54	Eddy		NMLC029418B	2310 FNL, 495 FEL	Sec 11, T17S, R31E, Unit H
Tex-Mack 11 Federal #6	Eddy	3001536848	NMLC029418B	1650 FNL, 1660 FWL	Sec 11, T17S, R31E, Unit F
Tex-Mack 11 Federal #9	Eddy	3001536945	NMLC029418B	2630 FSL, 2580 FWL	Sec 11, T17S, R31E, Unit K
Wooley Federal #11	Eddy	3001535472	NMLC029342A	990 FSL, 1650 FWL	Sec 21, T17S, R30E, Unit N

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