

DATE IN 3/4/09	SUBSENER	ENGINEER	LOGGED IN W. Jones	TYPE SWD	APPROV. PKA 090635954
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ABOVE THIS LINE FOR DIVISION USE ONLY

## NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505



Lone Hills 3-34 30-015

COG Operating

229137

## ADMINISTRATIVE APPLICATION CHECKLIST

THIS CHECKLIST IS MANDATORY FOR ALL ADMINISTRATIVE APPLICATIONS FOR EXCEPTIONS TO DIVISION RULES AND REGULATIONS WHICH REQUIRE PROCESSING AT THE DIVISION LEVEL IN SANTA FE

## Application Acronyms:

[NSL-Non-Standard Location] [NSP-Non-Standard Proration Unit] [SD-Simultaneous Dedication]  
 [DHC-Downhole Commingling] [CTB-Lease Commingling] [PLC-Pool/Lease Commingling]  
 [PC-Pool Commingling] [OLS - Off-Lease Storage] [OLM-Off-Lease Measurement]  
 [WFX-Waterflood Expansion] [PMX-Pressure Maintenance Expansion]  
 [IWD-Salt Water Disposal] [IPI-Injection Pressure Increase]  
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

## [1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication

☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☒ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify \_\_\_\_\_

## [2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners[B] ☒ Offset Operators, Leaseholders or Surface Owner[C] ☐ Application is One Which Requires Published Legal Notice[D] ☒ Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office[E] ☒ For all of the above, Proof of Notification or Publication is Attached, and/or,[F] ☐ Waivers are Attached

## [3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

[4] CERTIFICATION: I hereby certify that the information submitted with this application for administrative approval is accurate and complete to the best of my knowledge. I also understand that no action will be taken on this application until the required information and notifications are submitted to the Division.

Note: Statement must be completed by an individual with managerial and/or supervisory capacity.

MARK A. FAIRCHILD *(Signature)* SR. OPS ENGR 3/4/09  
 Print or Type Name Signature Title Date

MFairchild@  
 e-mail Address conchocorresources.com

RECEIVED

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: Secondary Recovery Pressure Maintenance YES Disposal Storage  
Application qualifies for administrative approval? XXX Yes No
- II. OPERATOR: COG OPERATING LLC  
ADDRESS: 550 WEST TEXAS AVE., SUITE 1300, MIDLAND, TX 79701  
CONTACT PARTY: TYE ORR (VERITAS 321 ENERGY PARTNERS, LP) PHONE: (432) 682-4002
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.  
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? Yes XXX No  
If yes, give the Division order number authorizing the project: \_\_\_\_\_
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
  2. Whether the system is open or closed;
  3. Proposed average and maximum injection pressure;
  4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
  5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- \*VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- \*X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- \*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: MARK A. FAIRCHILD TITLE: SR. OPS ENGR  
SIGNATURE: [Signature] DATE: 3/2/09  
E-MAIL ADDRESS: \_\_\_\_\_
- \* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: \_\_\_\_\_

### III. WELL DATA

A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:

- (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
- (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
- (3) A description of the tubing to be used including its size, lining material, and setting depth.
- (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

Division District Offices have supplies of Well Data Sheets which may be used or which may be used as models for this purpose. Applicants for several identical wells may submit a "typical data sheet" rather than submitting the data for each well.

B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.

- (1) The name of the injection formation and, if applicable, the field or pool name.
- (2) The injection interval and whether it is perforated or open-hole.
- (3) State if the well was drilled for injection or, if not, the original purpose of the well.
- (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
- (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

### XIV. PROOF OF NOTICE

All applicants must furnish proof that a copy of the application has been furnished, by certified or registered mail, to the owner of the surface of the land on which the well is to be located and to each leasehold operator within one-half mile of the well location.

Where an application is subject to administrative approval, a proof of publication must be submitted. Such proof shall consist of a copy of the legal advertisement which was published in the county in which the well is located. The contents of such advertisement must include:

- (1) The name, address, phone number, and contact party for the applicant;
- (2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;
- (3) The formation name and depth with expected maximum injection rates and pressures; and,
- (4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

**NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.**

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**NOTICE:** Surface owners or offset operators must file any objections or requests for hearing of administrative applications within 15 days from the date this application was mailed to them.

Hole Detail	Size, in	Depth
Surface	17 1/2	650
Intermediate	12 1/4	4000
Liner		
Production	8 3/4	9945

9700

## Casing Detail

Name	Size, OD in.	Wt	Grd	CPLG	Thd	Ftg	Set
Surface	13 3/8						650
Intermediate	9 5/8						4000
Production	7						9700
Tubing	IPC 3 1/2						8575

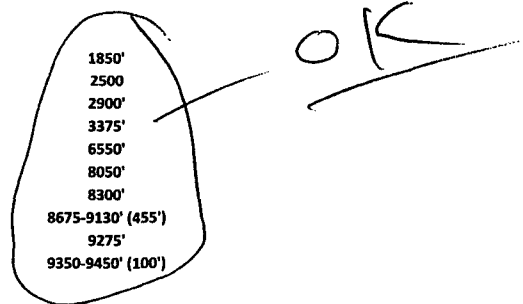
## Cementing Detail

Name	Cement Data	TOC
Surface	All Casing strings cemented to surface	Surface
Intermediate	All Casing strings cemented to surface	Surface
Production	All Casing strings cemented to surface	Surface

**Well Name: LOCO HILLS SWD 3-34**

SEC. 34, T17S, R30E  
1375' FSL & 2555' FEL  
TD. 9700'

SEVEN RIVERS 1850'  
QUEEN 2500'  
GRAYBURG 2900'  
SAN ANDRE'S 3375'  
GLRT (BSPG) 6550'  
TUBB 8050'  
WOLFCAMP 8300'  
DISPOSAL INTERVAL 8675-9130' (455')  
CISCO 9275'  
DISPOSAL INTERVAL 9350-9450' (100')



**Casing Program:**

String	Hole Size	Casing Sz	TD	Cmt*	Note
Conductor	24"	20	+/- 40'	Surface	Pre set prior to MORT
Surface	17 1/2"	13 3/8"	+/- 650	Surface	
Intermediate	12 1/4"	9 5/8"	+/- 4000	Surface	
Long String	8 3/4"	7"	TD is shown above for each well	Surface	2 stage, DV Tool at +/- 7,000
*Cmt equipment by Weatherford					

# WELL BORE DIAGRAM - As Proposed

## COG SENM Loco Hills SWD 3-34

LEGAL: 1375' FSL; 2555' FEL, Sec 34, T17S; R30E, Eddy Co. NM

API#: Not Assigned

State Lease #: Not Assigned

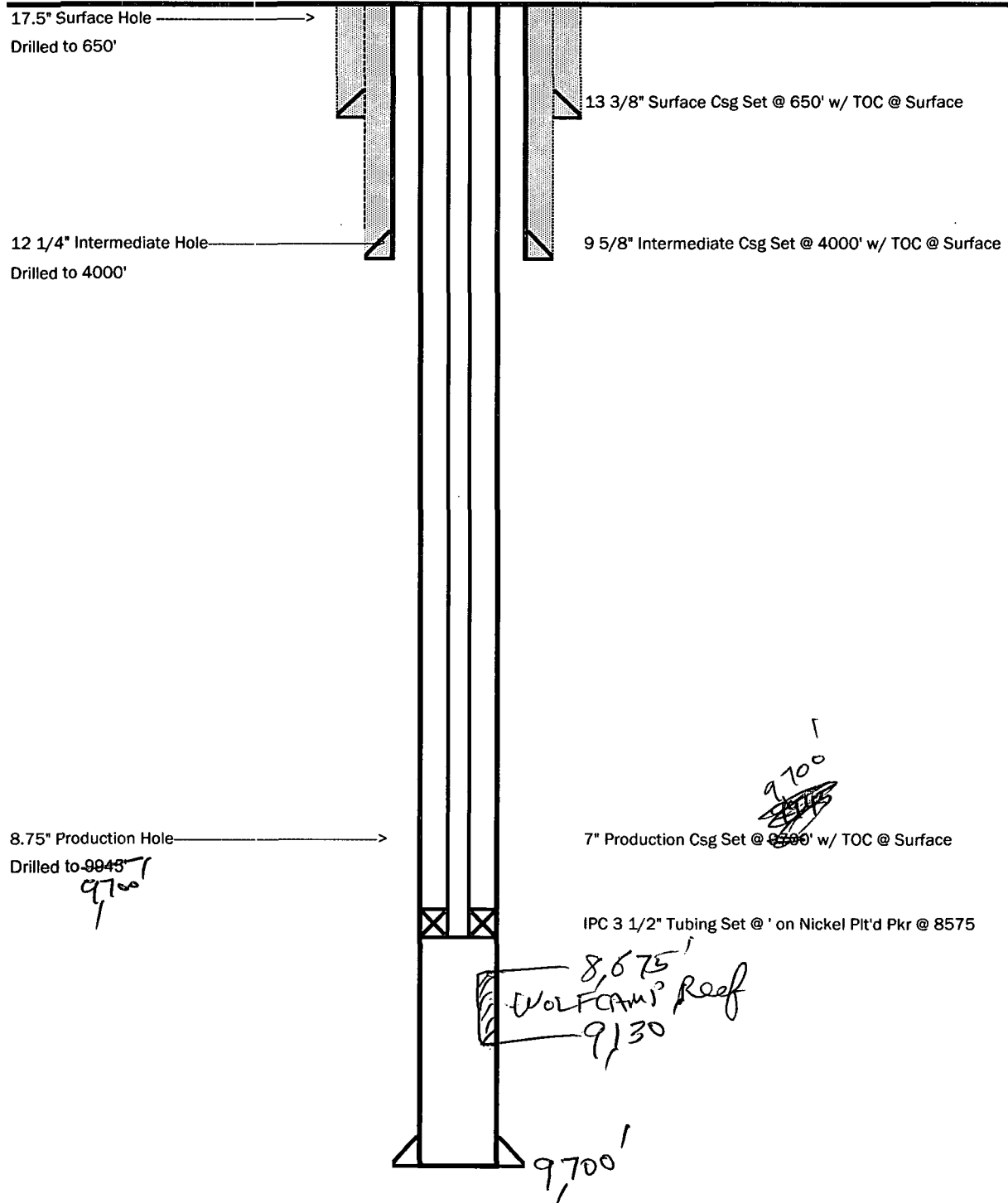
ELEV: 3,544 Est'd

Property Code: Not Assigned

SPUD DATE: 8/1/2009, Est'd

COMPL. DATE: 8/20/2009, Est'd

Drilled hole, Casing and Cementing details are on page two.



## INJECTION WELL DATA SHEET

OPERATOR: COG OPERATING LLCWELL NAME & NUMBER: Loco Hills SWD 3-34WELL LOCATION: 1375' FSL; 2555' FEL, Eddy Co., NM  
FOOTAGE LOCATIONUNIT LETTER  
SECTION TOWNSHIP RANGE  
Sec. 35 T17S R30EWELLBORE SCHEMATIC

## WELL BORE DIAGRAM - As Proposed

COG SENM Loco Hills SWD 3-34

LEGAL: 1375' FSL; 2555' FEL, Sec 34, T17S; R30E, Eddy Co. NM

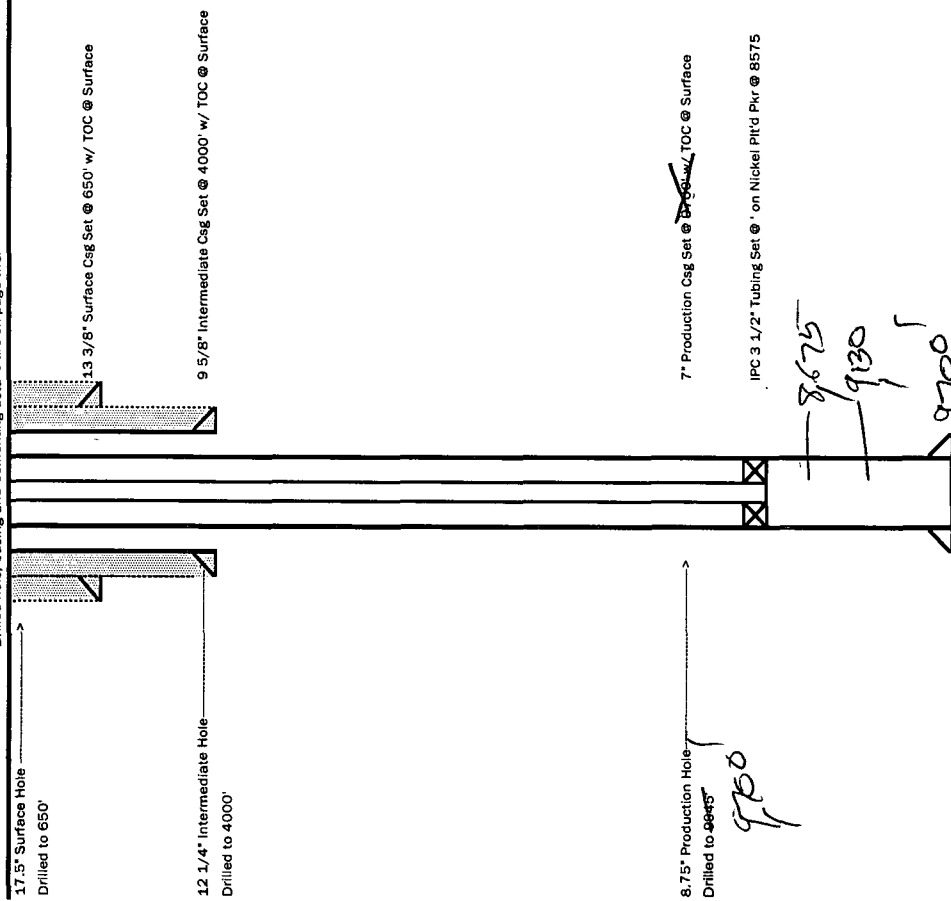
API#: Not Assigned State Lease #: Not Assigned

ELEV: 3,544 Est'd Property Code: Not Assigned

SPUD DATE: 8/1/2009, Est'd

COMPL. DATE: 8/20/2009, Est'd

Drilled hole, Casing and Cementing details are on page two.

WELL CONSTRUCTION DATA  
Surface CasingHole Size: 17 1/2" Casing Size: 13 3/8"Cemented with: 700 sacks or ft<sup>3</sup>Top of Cement: SURFACEMethod Determined: VISUALIntermediate CasingHole Size: 12 1/4"Casing Size: 9 5/8"Cemented with: 1,475 sacksor ft<sup>3</sup>Top of Cement: SURFACEMethod Determined: VISUALProduction CasingHole Size: 8 3/4"Casing Size: 7"Cemented with: 2,200 sacksor ft<sup>3</sup>Top of Cement: 1,345'Method Determined: LOGTotal Depth: 9,945'Injection IntervalFrom 8,650 feet To 9,130 feet

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEETTubing Size: 3 1/2", 8rd, EUELining Material: PLASTIC, IPC 1850 PERMIAN COATINGType of Packer: 10K DOUBLE SET PACKER W/ PROFILES WILL BE SETPacker Setting Depth: WITHIN 100' OF TOP PERFORATIONOther Type of Tubing/Casing Seal (if applicable): No other seal than a packer. At the surface, the wellhead equipment will form the casing/tubing seal.Additional Data

1. Is this a new well drilled for injection?      XXX Yes      No

If no, for what purpose was the well originally drilled? \_\_\_\_\_

2. Name of the Injection Formation: WOLFCAMP REEF

3. Name of Field or Pool (if applicable): \_\_\_\_\_

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. \_\_\_\_\_

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: \_\_\_\_\_





ATTACHMENT TO APPLICATION C-108

COG Operating Inc.  
Loco Hills SWD 3-34  
Sec, 34, T-17-S, R-30-E  
Eddy County, NM

III. WELL DATA – See attached on reverse side of form as requested.

V. MAP ATTACHED

VI. LIST OF WELLS AND DATA ATTACHED.

VII. PROPOSED OPERATIONS

1. The injection volume will average 10,000 BWPD while the maximum injection volumes are expected to be 15,000 BWPD.
2. This will be a closed loop system.
3. The average injection pressure should be 500 psig or less while the maximum injection pressure should not exceed 1,730 psig.
4. Analysis attached, only produced water.
5. This well is not yet drilled. COG will swab the formation and recover fluid samples for analysis and reporting to NMOCD. Research disposal zone formation water and attach and chemical analysis.

VIII. WORLFCAMP REEF FORMATION

The Wolfcamp reef section is a thick interval of carbonate reef buildup that has been diagenetically altered to dolomite, thus yielding intervals of significant secondary porosity with high permeability. Natural fracturing may also be present.

- IX. The zone will be acidized with 15% NE FE acid with rock salt diversion.
- X. Logging and test data will be run on the well when drilled.
- XI. No fresh water found or recorded by state engineer or OCD.
- XII. The disposal formation will have several thousand feet of overburden on top of it.  
  
In these several thousands of feet of impermeable shale and evaporate zones of various thickness exists. These zones will stop any hydraulic communication between geologic strata.
- XIII. ATTACHED.

DISTRICT I  
1625 N. French Dr., Hobbs, NM 88240

DISTRICT II  
1301 W. Grand Avenue, Artesia, NM 88210

DISTRICT III  
1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

Form C-102  
Revised October 12, 2005

Submit to Appropriate District Office  
State Lease - 4 Copies  
Fee Lease - 3 Copies

WELL LOCATION AND ACREAGE DEDICATION PLAT

☐ AMENDED REPORT

API Number	Pool Code	Pool Name
Property Code	Property Name LOCO HILLS SWD	Well Number 3-34
OGRID No.	Operator Name C.O.G. OPERATING L.L.C.	Elevation 3526'

Surface Location

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
J	34	17 S	30 E		1375	SOUTH	2555	EAST	EDDY

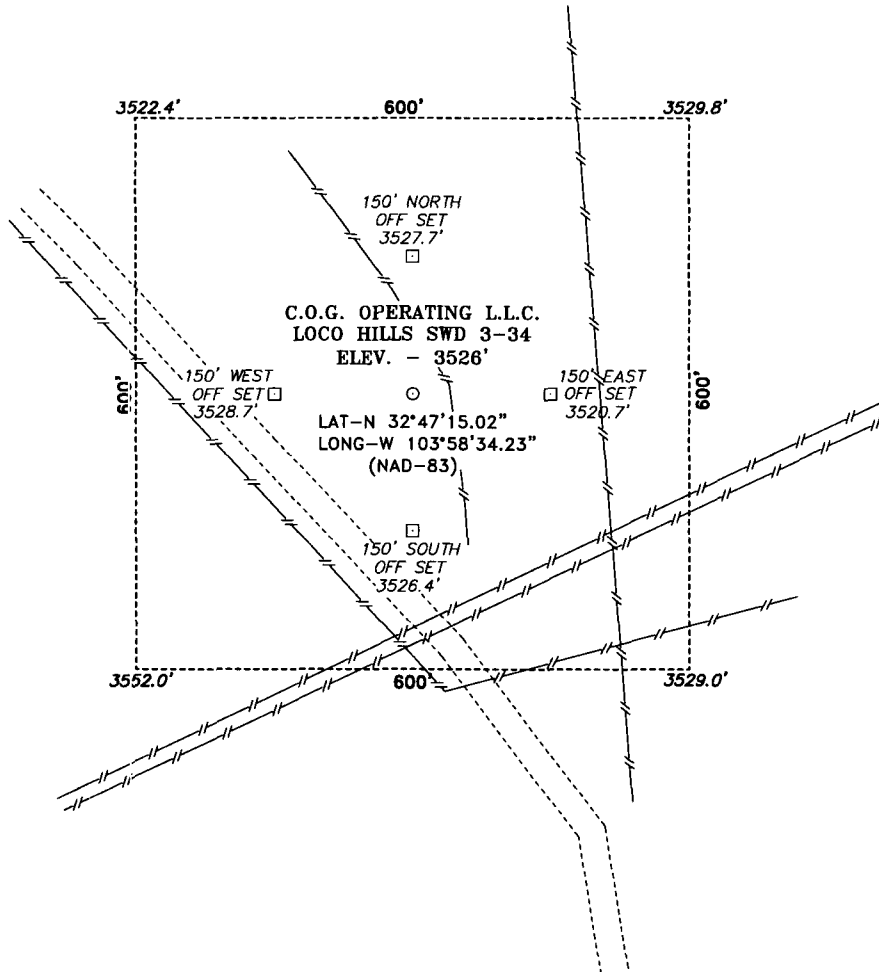
Bottom Hole Location If Different From Surface

UL or lot No.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
Dedicated Acres	Joint or Infill	Consolidation Code	Order No.						

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED  
OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

<div><p><b>SURFACE LOCATION</b> LAT.: N 32°47'15.02" LONG.: W103°57'34.23" SPC- N.: 650430.1 E.: 655217.9 (NAD-83)</p></div> <div><p>3522.4' 3529.8' 3552.0' 3529.0' 1375' 2555'</p></div>	<p><b>OPERATOR CERTIFICATION</b></p> <p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or unleased mineral interest in the land including the proposed bottom hole location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</p> <p>Signature _____ Date _____</p> <p>Printed Name _____</p> <p><b>SURVEYOR CERTIFICATION</b></p> <p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</p> <p>FEBRUARY 19, 2009</p> <p>Date Surveyed _____ Signature &amp; Seal _____ Professional Surveyor</p> <p>W.O. _____ 28</p> <p>Certificate No. Gary L. Jones 7977</p> <p>BASIN SURVEYS</p>
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SECTION 34, TOWNSHIP 17 SOUTH, RANGE 30 EAST, N.M.P.M.,  
EDDY COUNTY, NEW MEXICO.



SCALE: 1" = 200'

**DIRECTIONS TO LOCATION:**

FROM THE JUNCTION OF US HWY 82 AND CO. RD.  
217, GO SOUTH 0.4 MILES TO LEASE ROAD, ON  
LEASE ROAD GO SOUTHEAST 2.4 MILES TO PROPOSED  
LOCATION.

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

REF: LOCO HILLS SWD 3-34 / Well Pad Topo

THE LOCO HILLS SWD 3-34 LOCATED 1375' FROM  
THE SOUTH LINE AND 2555' FROM THE EAST LINE OF  
SECTION 34, TOWNSHIP 17 SOUTH, RANGE 30 EAST,  
N.M.P.M., EDDY COUNTY, NEW MEXICO.

**BASIN SURVEYS** P.O. BOX 1786-HOBBS, NEW MEXICO

W.O. Number: 21128

Drawn By: J. M. SMALL

Date: 02-23-2009

Disk: JMS 21128

Survey Date: 02-19-2009

Sheet 1 of 1 Sheets





### LOCOS HILLS SWD 3-34

Located at 1375' FSL and 2555' FEL  
Section 34, Township 17 South, Range 30 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 21128

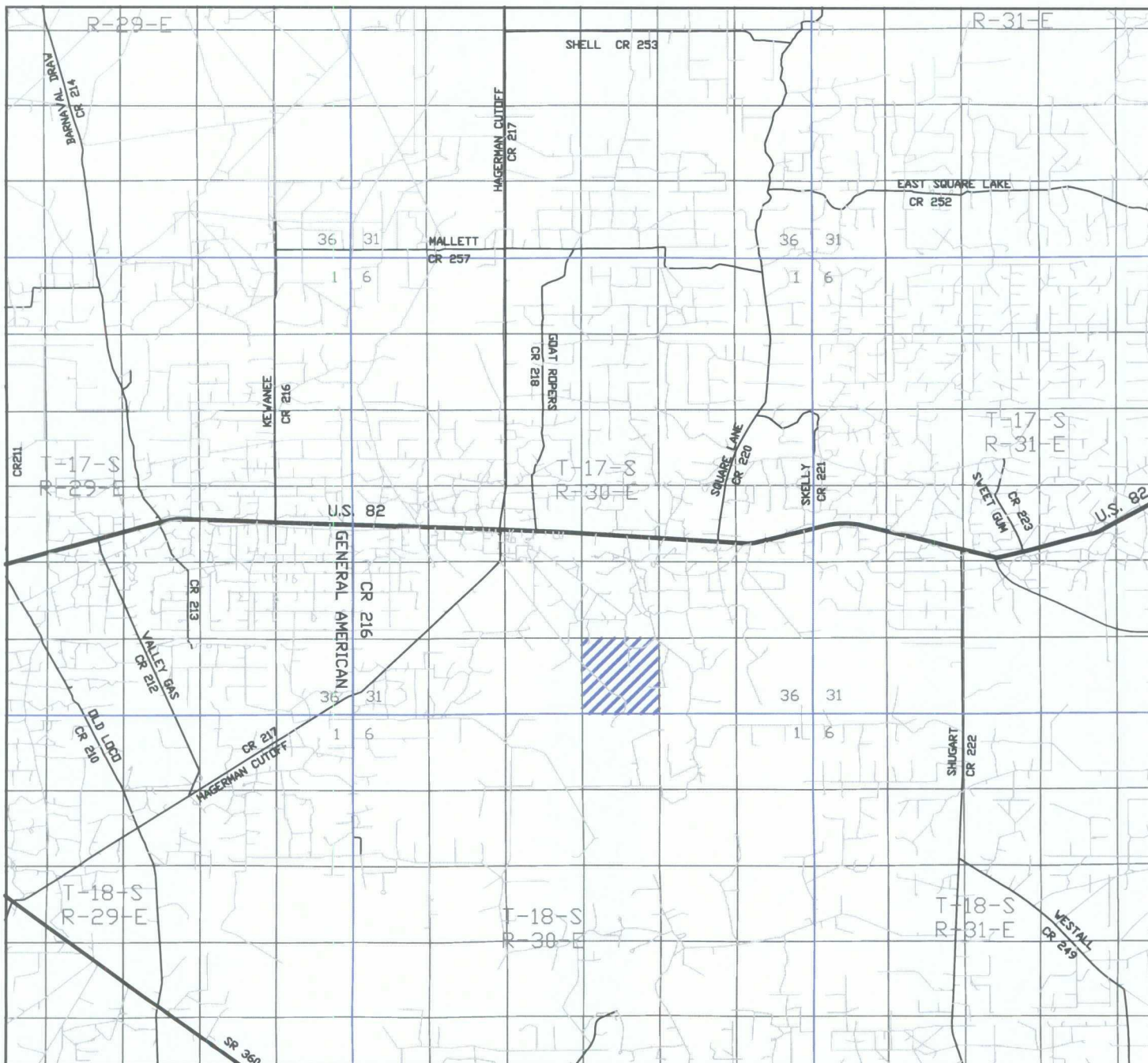
Survey Date: 02-19-2009

Scale: 1" = 2000'

Date: 02-23-2009

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





### LOCO HILLS SWD 3-34

Located at 1375' FSL and 2555' FEL  
Section 34, Township 17 South, Range 30 East,  
N.M.P.M., Eddy County, New Mexico.



focused on excellence  
in the oilfield

P.O. Box 1786  
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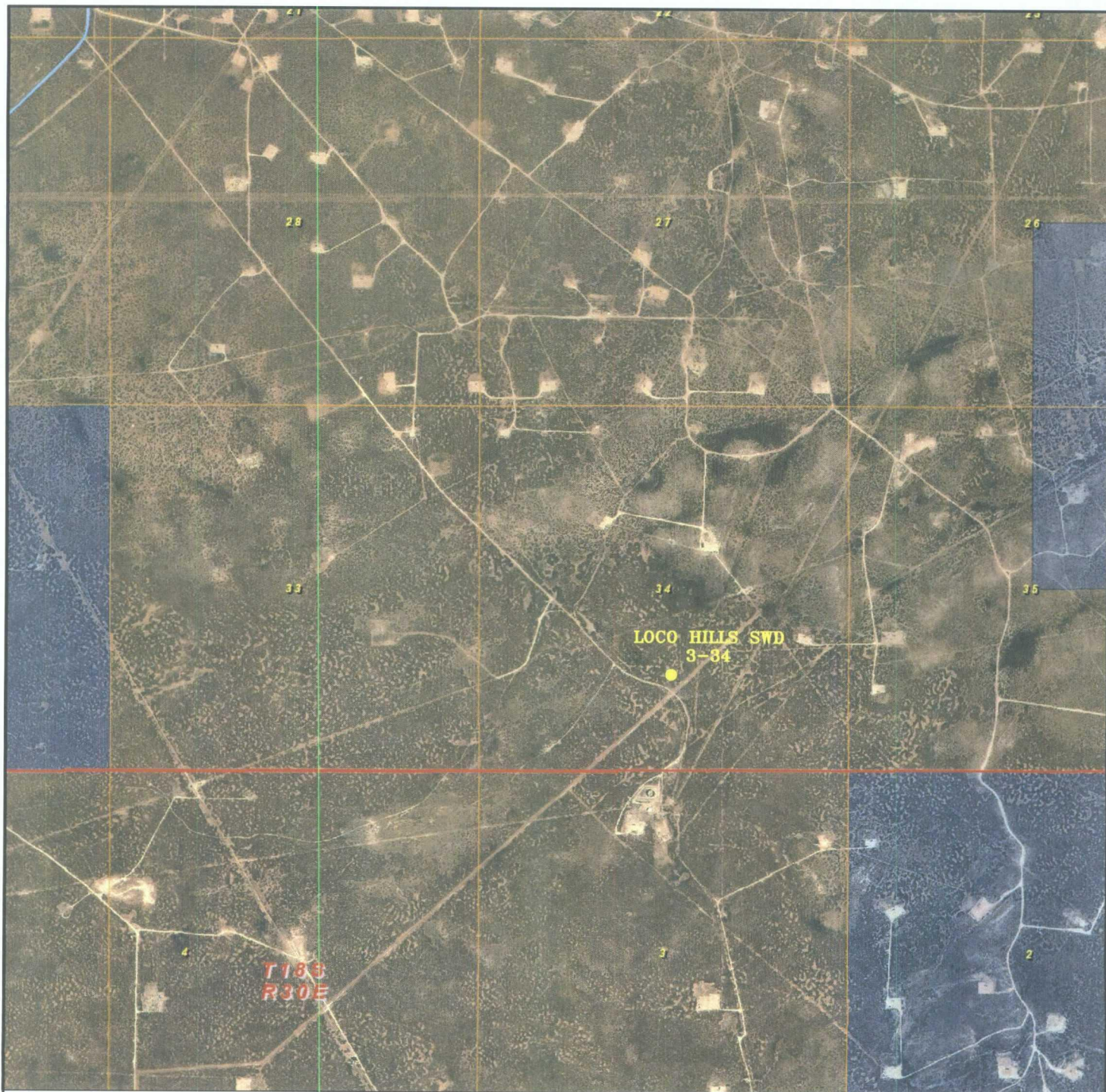
Survey Date: 02-19-2009

Scale: 1" = 2000'

Date: 02-23-2009

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





### LOCO HILLS SWD 3-34

Located at 1375' FSL and 2555' FEL  
Section 34, Township 17 South, Range 30 East,  
N.M.P.M., Eddy County, New Mexico.



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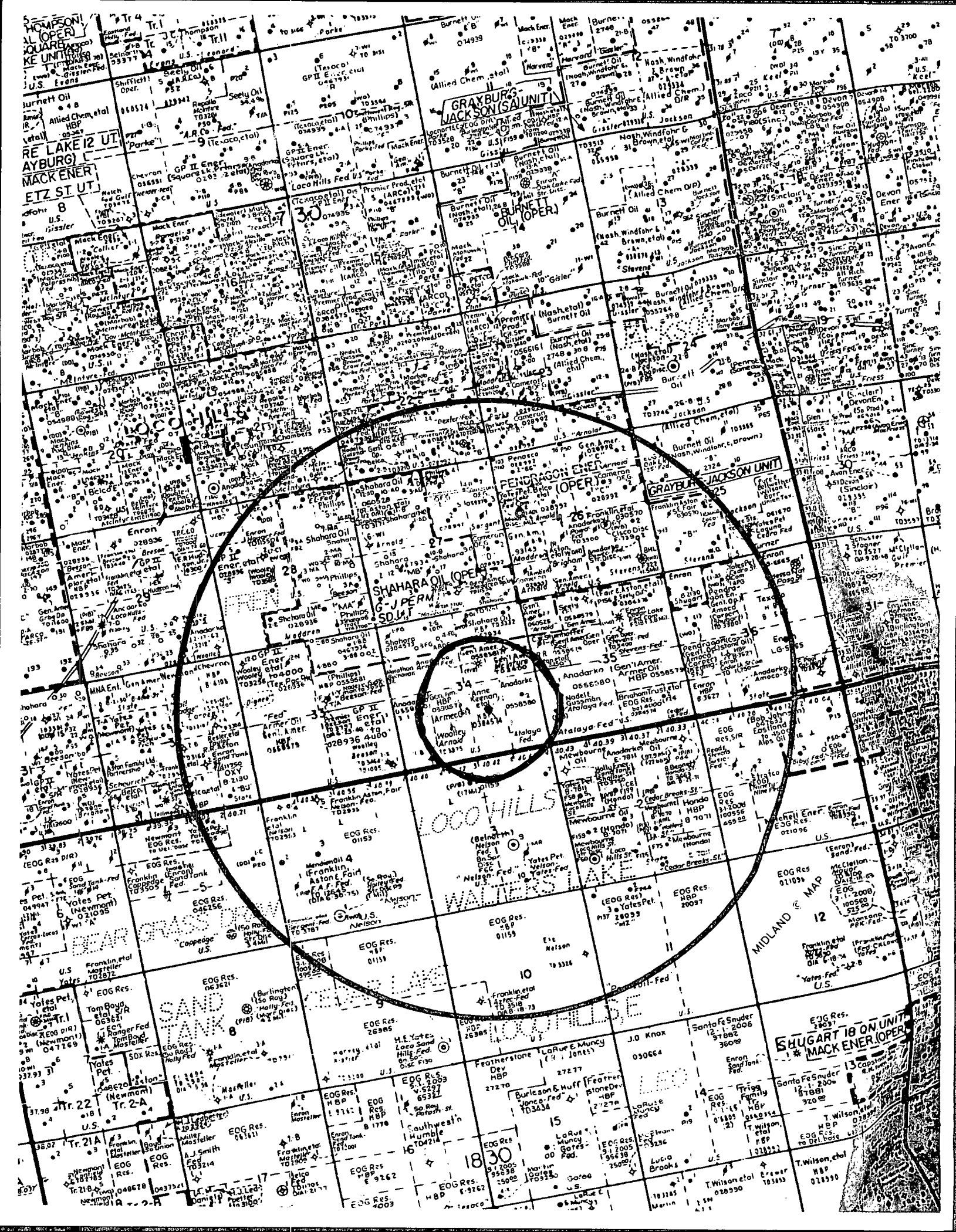
W.O. Number: JMS 21128

Scale: 1" = 2000'

YELLOW TINT - USA LAND  
BLUE TINT - STATE LAND  
NATURAL COLOR - FEE LAND

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







# Estimated tops of Important Geological Markers

Well Name

Formation	Loco Hills SWD 2-35	Loco Hills SWD 3-34	Loco Hills SWD 4-33	Skelly SWD 28-1	Maljamar SWD 29-1
Rustler	600	550	500	650	800
Yates	1,700	1,650	1,600	1,860	2,035
SEVEN RIVERS	1,925	1,850	1,825	2,750	2,800
QUEEN	2,550	2,500	2,475	2,900	3,010
GRAYBURG	2,950	2,900	2,875	3,440	3,380
SAN ANDRES	3,400	3,375	3,375	3,775	3,750
GLORIETA	6,575	6,550	6,475	5,380	5,795
TUBB	8,100	8,050	8,000	7,370	7,250
WOLFCAMP	8,500	8,300	8,175	8,519	9,045
REEF DISPOSAL INTERVAL	8650-9150' (500')	8675-9130' (455')	8525-8950' (425')	9306-9591 (285')	9667-9871 (204')
CISCO	9,300	9,275	9,150	8,500	9,050
REEF DISPOSAL INTERVAL	9400-9500' (100')	9350-9450' (100')	9400-9550' (150')	9755-9825 (70')	10,328-10,500(172')

Disposal Well

API #	PROPERTY NAME	#	OPERATOR	TD	TYPE	STATE	CO	LAND	U/L	SEC	TWN	RNG	N/S	E/W
	Loco Hills SWD 34	3	COG OPERATING LLC	9700'	SWD	NM	EDDY	Fed		35	17S	30E	1375'S	2555'E

Wells within 1/2 mile which do not penetrate proposed disposal interval

API #	PROPERTY NAME	#	OPERATOR	TD	TYPE	STATE	CO	LAND	U/L	SEC	TWN	RNG	N/S	E/W
3001521317	PRE-ONGARD WELL	3	PRE-ONGARD WELL OPERATOR	3400'	OIL	NM	EDDY	FED		34	17S	30E	1650'N	990'E
3001525427	ATALAYA FEDERAL	2	NADEL AND GUSSMAN PERMIAN, LLC	3700'	OIL	NM	EDDY	FED		34	17S	30E	1980'S	660'E
3001532047	MAGGIE 34 FEDERAL	1	CHESAPEAKE OPERATING, INC.	5300'	OIL	NM	EDDY	FED		34	17S	30E	1650'N	1780'W
3001531063	ATALAYA FEDERAL	3	NADEL AND GUSSMAN PERMIAN, LLC	4000'	OIL	NM	EDDY	FED		35	17S	30E	1175'S	430'W

Wells within 1/2 mile which penetrate proposed disposal interval

API #	PROPERTY NAME	#	OPERATOR	TD	TYPE	STATE	CO	LAND	U/L	SEC	TWN	RNG	N/S	E/W
3001523988	ARNOLD FEDERAL COM-3	1	CHESAPEAKE OPERATING, INC.	11600'	GAS	NM	EDDY	FED		34	17S	30E	1980'N	1980'E
3001524430	ATALAYA FEDERAL	1	NADEL AND GUSSMAN PERMIAN, LLC	11600'	GAS	NM	EDDY	FED		35	17S	30E	1980'S	660'W
3001524737	NELSON FEDERAL	8	EOG RESOURCES INC	11650'	GAS	NM	EDDY	FED		3	18S	30E	660'S	1830'E

→ 4 1/2" in 778" 11552' TD DVC 8001' 200+750 1700 PSICURS PERM  
 See WBD in ABO protected here? Cade OK

→ 870 SX @ 11650' Cade OK

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

## SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☒ other \_\_\_\_\_  
well well
2. NAME OF OPERATOR  
**Anadarko Production Company**
3. ADDRESS OF OPERATOR  
**P. O. Box 67, Loco Hills, New Mexico 88255**
4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)  
**AT SURFACE: 1980' FNAELs Sec. 34, T17S, R30E**  
**AT TOP PROD. INTERVAL: Same**  
**AT TOTAL DEPTH: Same**
16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

**REQUEST FOR APPROVAL TO:**

- |                      |                          |
|----------------------|--------------------------|
| TEST WATER SHUT-OFF  | <input type="checkbox"/> |
| FRACTURE TREAT       | <input type="checkbox"/> |
| SHOOT OR ACIDIZE     | <input type="checkbox"/> |
| REPAIR WELL          | <input type="checkbox"/> |
| PULL OR ALTER CASING | <input type="checkbox"/> |
| MULTIPLE COMPLETE    | <input type="checkbox"/> |
| CHANGE ZONES         | <input type="checkbox"/> |
| ABANDON*             | <input type="checkbox"/> |
| (other)              | <input type="checkbox"/> |

## SUBSEQUENT REPORT OF

- |  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|
|  |  |  |  |  |  |  |  |
|--|--|--|--|--|--|--|--|

X Spud, set & cement surface, int. & pdn. csg.

5. LEASE  
N M 0558581
6. IF INDIAN, ALLOTTEE OR TRIBE NAME  
MAR 12 1982
7. UNIT AGREEMENT NAME  
O. C. D.
8. FARM OR LEASE NAME  
ARTESIA, OFFICE  
Arnold Fed. Com.
9. WELL NO.  
1
10. FIELD OR WILDCAT NAME  
Cedar Lake Morrow
11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA  
34 - 17S - 30E
12. COUNTY OR PARISH  
Eddy
13. STATE  
New Mexico
14. API NO.
15. ELEVATIONS (SHOW DF, KDB, AND WD)  
00550' GL

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

OIL & GAS  
U.S. GEOLOGICAL SURVEY  
ROSWELL, NEW MEXICO

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work.)\*
9. 2nd Stage - cemented out DV tool @ 8000' W/375 sx Trinity Lite w/5# Salt/sx, 1/4# Flocele/sx & 6# Gilsonte/sx and tailed-in with 100 sx Class H; final circ press = 1400#; closed tool & circ 6 hrs. Checked for waterflow - had no flow.
- 3rd Stage - cemented out DV tool @ 5517' w/575 sx Trinity Lite w/5# Salt/sx, 1/4# Flocele/sx and tailed-in with 100 sx Class H Neat; final circ press = 1400#; closed upper tool; PD @ 5:15 PM 2-12-82.
10. WOC 19 hours; Bennett Wireline Co. ran Temp. Survey and found cement top @ 3200' (intermediate casing shoe @ 3464') and PBTD @ 5469'.

**Note: Appropriate forms will be filed upon completion of well.**

Subsurface Safety Valve: Manu. and Type \_\_\_\_\_ Set @ \_\_\_\_\_ Ft.

18. I hereby certify that the foregoing is true and correct

SIGNED [Signature] TITLE Area Supervisor DATE February 25, 1982

(This space for Federal or State office use)

APPROVED BY \_\_\_\_\_ TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
CONDITIONS OF APPROVAL IF ANY: \_\_\_\_\_

# INSTRUCTIONS

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formation and pressure tests, and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 35.

Item 4: If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

Item 18: Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments. Items 22 and 24: If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

Item 29: "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

Item 33: Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

37. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DALL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				38. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
				Queen	2432	1103.5
				San Andres	3354	181.5
				Bone Springs	6644	-3108.5
				Wolfcamp	8630	-5094.5
				Strawn	10460	-6924.5
				Atoka	10697	-7161.5
				Morrow	10920	-7384.5
			...	Middle Morrow	11245	-7709.5
				Chester	11549	-8013.5

30-015-23988

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

C/SF

APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒

DEEPEN ☐

PLUG BACK ☐

b. TYPE OF WELL

OIL WELL ☐

GAS WELL ☒

OTHER

SINGLE ZONE ☐

MULTIPLE ZONE ☒

2. NAME OF OPERATOR

Anadarko Production Company ✓

3. ADDRESS OF OPERATOR

P. O. Box 67, Loco Hills, New Mexico 88255

NOV 18 1981

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface 1980' FNAELs Sec. 34, T17S, R30E, Eddy County, N.M.

At proposed prod. zone Same

5. LEASE DESIGNATION AND SERIAL NO.

NM - 0558581

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Arnold Fed. Com.

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Under Cedar Lake Morrow X

11. SEC., T., S., M., OR BLE. AND SURVEY OR AREA

1/4 - G  
34 - 17S - 30E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE

Approximately 2 miles Southeast of Loco Hills Townsite

15. DISTANCE FROM PROPOSED LOCATION TO NEAREST PROPERTY OR LEASE LINE, FT.

660'

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED TO THIS

320

18. DISTANCE FROM PROPOSED LOCATION TO NEAREST WELL, DRILLING, COMPLETED, OR APPLIED FOR, ON THIS LEASE, FT.

1683'

19. PROPOSED DEPTH

11600'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DF, RT, GR, etc.)

3550' GL

22. APPROX. DATE WORK WILL START

11-14-81

PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48.0#	400'	400 sx - circulated
12-1/4"	8-5/8"	24.0#	3200'	900 sx - circulated
7-7/8"	4-1/2"	11.6#	11600'	900 sx - est. CT - 7900'

1. Rig up Rotary Tools.
2. Drill to approximately 400'; set 13-3/8" casing and cement with approximately 400 sx; install 12" Shaffer Type B Hydraulic Blowout Preventor & test prior to drilling cement plug.
3. Drill to approximately 3200'; run Open Hole Logs; set 8-5/8" casing & cement with approximately 900 sx. Plan to drill this section with brine water so cement can be circulated back to surface.
4. Conduct 3 Drill Stem Tests as well is drilled from 3200' to 11600'.
5. Run Open Hole Logs @ T D; set 4 1/2" casing and cement with approximately 900 sx; estimated cement top will be 7900'.
6. Perforate Morrow; treat, if necessary.
7. Equip well for production.
8. Place well on production.

OCT 23 1981

Note: Gas has not been dedicated.

OIL & GAS  
U.S. GEOLOGICAL SURVEY  
ROSWELL, NEW MEXICO

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*Ken E. Dushle*

TITLE

Area Supervisor

DATE

October 12, 1981

(This space for Federal or State office use)

APPROVED

PERMIT NO.

APPROVAL DATE

APPROVED BY

NOV 17 1981

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

JAMES A. GILLHAM  
DISTRICT SUPERVISOR

\*See Instructions On Reverse Side

**MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
Supersedes C-128  
Effective 1-1-65

All distances must be from the outer boundaries of the Section

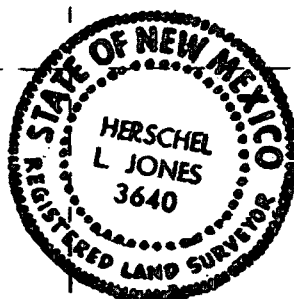
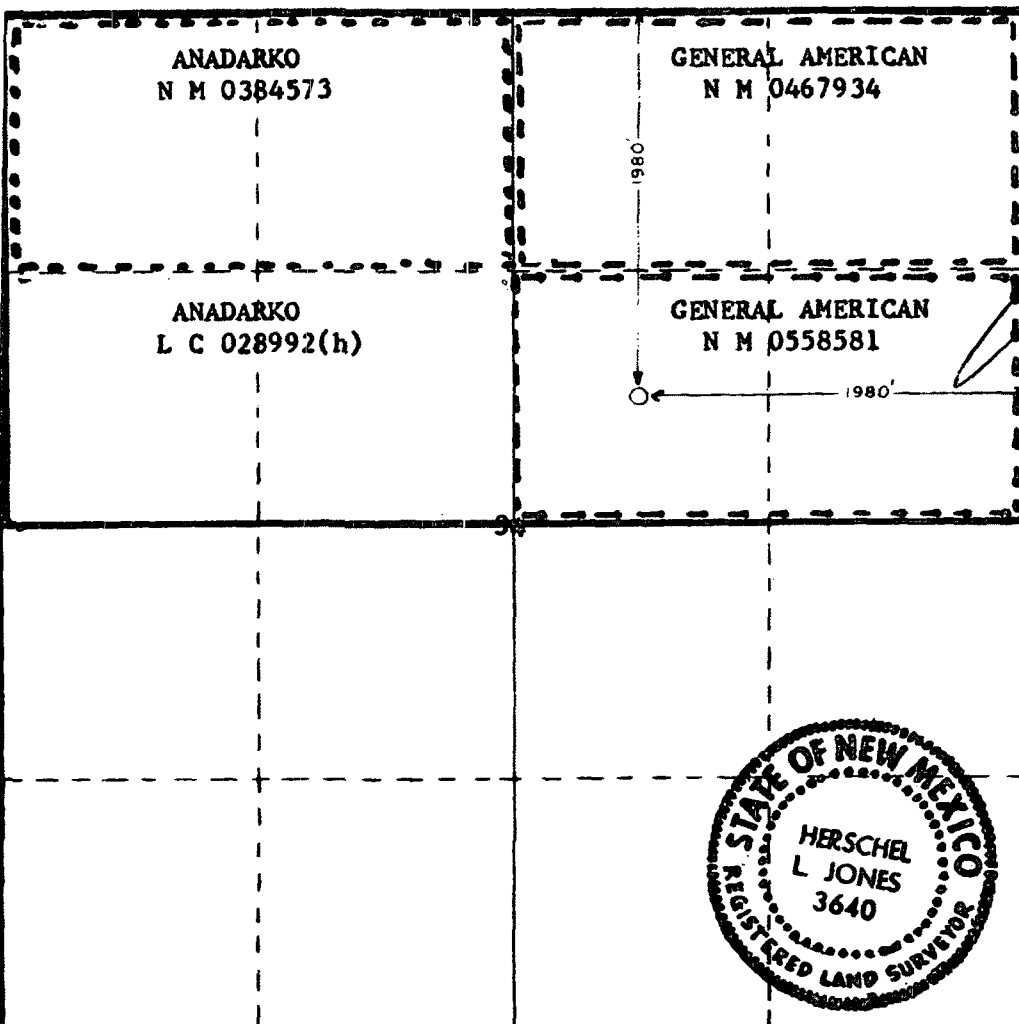
Operator <b>ANADARKO PRODUCTION COMPANY</b>			Lease <b>Arnold Fed. Com</b>		Well No. <b>1</b>
Section Letter <b>G</b>	Section <b>34</b>	Township <b>17 South</b>	Range <b>30 East</b>	County <b>Eddy</b>	
Actual Footage Location of Well:					
1950 feet from the North line and		1950 feet from the East line			
Ground Level Elev. <b>3550</b>	Producing Formation <b>Morrow</b>	Pool <b>Cedar Lake Morrow North</b>	Dedicated Acreage: <b>320</b> Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, forced-pooling, etc?

☒ Yes    ☐ No    If answer is "yes," type of consolidation Communitization

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.)

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.



**CERTIFICATION**

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

Name  
**Jerry L. Buckles**

Position  
**Area Supervisor**

Company  
**Anadarko Prod. Co.**

Date  
**October 12, 1981**

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed  
**June 30, 1981**

Registered Professional Engineer and/or Land Surveyor

Certificate No  
**3640**

UNITED STATES  
DEPARTMENT OF THE INTERIOR  
GEOLOGICAL SURVEY

SUBMIT "TRIPPLICATE"

NM OFF. 1. (Cons. Div.)  
Reverse Side) COMMISSION

Drawer DD

Artesia, NM 88210

Form approved.  
Budget Bureau No. 42-R1425.

30-015-2443 (1)

LEASE DESIGNATION AND SERIAL NO.

NM - 0558580

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

Atalaya Fed. Com.

9. WELL NO.

1

10. FIELD AND POOL, OR WILDCAT

Cedar Lake Morrow

11. SEC., T., R., M., OR BLE.  
AND SURVEY OR AREA

35 - 17S - 30E

12. COUNTY OR PARISH

Eddy

13. STATE

New Mexico

## APPLICATION FOR PERMIT TO DRILL, DEEPEN, OR PLUG BACK

1a. TYPE OF WORK

DRILL ☒DEEPEN ☐RECEIVED PLUG BACK ☐

b. TYPE OF WELL

OIL  
WELL ☐GAS  
WELL ☒

OTHER

SINGLE  
ZONE ☐MULTIPLE  
ZONE ☐

2. NAME OF OPERATOR

Anadarko Production Company

3. ADDRESS OF OPERATOR

P. O. Drawer 130, Artesia, New Mexico 88210

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements.)

At surface

1980' FSL &amp; 660' FWL Sec. 35, T17S, R30E

At proposed prod. zone Same

Eddy County, New Mexico

14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE\*

Approximately 3 miles Southeast of Loco Hills Townsite

16. DISTANCE FROM PROPOSED\*

LOCATION TO NEAREST  
PROPERTY OR LEASE LINE, FT.  
(Also to nearest drlg. unit line, if any)

660'

16. NO. OF ACRES IN LEASE

320

17. NO. OF ACRES ASSIGNED

320

18. DISTANCE FROM PROPOSED LOCATION\*  
TO NEAREST WELL, DRILLING, COMPLETED,  
OR APPLIED FOR, ON THIS LEASE, FT.

1683'

19. PROPOSED DEPTH

11,600'

20. ROTARY OR CABLE TOOLS

Rotary

21. ELEVATIONS (Show whether DP, RT, GR, etc.)

3579.2' GL

22. APPROX. DATE WORK WILL START\*

2-15-83

23.

## PROPOSED CASING AND CEMENTING PROGRAM

SIZE OF HOLE	SIZE OF CASING	WEIGHT PER FOOT	SETTING DEPTH	QUANTITY OF CEMENT
17-1/2"	13-3/8"	48.0#	400'	400 sx - circulated
12-1/4"	8-5/8"	24.0#	3200'	900 sx - circulated
7-7/8"	4-1/2"	11.6#	11600'	900 sx - Est. C. T. 7900'

1. Rig up rotary tools.
2. Drill to approximately 400'; set 13-3/8" casing & cement with approximately 400 sx. Install 12" Shaffer Type B Hydraulic Blowout Preventor & test prior to drilling cement plu
3. Drill to approximately 3200'; possibly run Open Hole Logs; set 8-5/8" casing & cement with approximately 900 sx. Plan to drill this section with brine water so cement can be circulated back to surface.
4. Possibly conduct 3 Drill Stem Tests as well is drilled from 3200' to 11600'.
5. Run Open Hole Logs @ T D; set 4 1/2" casing & cement with approximately 900 sx; est Cement Top will be 7900'.
6. Perforate Morrow; treat if necessary.
7. Equip well for production.
8. Place well on production.

APPROVAL SUBJECT TO  
GENERAL REQUIREMENTS AND  
SPECIAL STIPULATIONS  
ATTACHED*Not Dedicated.*

IN ABOVE SPACE DESCRIBE PROPOSED PROGRAM: If proposal is to deepen or plug back, give data on present productive zone and proposed new productive zone. If proposal is to drill or deepen directionally, give pertinent data on subsurface locations and measured and true vertical depths. Give blowout preventer program, if any.

24.

SIGNED

*James A. Gillham*

TITLE

Area Supervisor

DATE

January 17, 1983

(This space for Federal or State office use)

PERMIT NO.

APPROVAL DATE

APPROVED BY

TITLE

DATE

CONDITIONS OF APPROVAL, IF ANY:

APPROVED

MAR 22 1983

JAMES A. GILLHAM  
DISTRICT SUPERVISOR

See Instructions On Reverse Side

RECEIVED

FEB 7 1983

OIL & GAS  
FEDERAL REG. SERVICE  
ROSWELL, NEW MEXICO

**NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT**

Form C-102  
Supersedes C-128  
Effective 1-4-65

All distances must be from the outer boundaries of the Section.

Operator <b>ANADARKO PRODUCTION COMPANY</b>			Lease <b>Atalaya Federal Com</b>		Well No. <b>1</b>
Unit Letter <b>L</b>	Section <b>35</b>	Township <b>17 South</b>	Range <b>30 East</b>	County <b>Eddy</b>	
Actual Footage Location of Well:					
<b>1980</b> feet from the <b>South</b> line and <b>660</b> feet from the <b>West</b> line					
Ground Level Elev. <b>3579.2'</b>	Producing Formation <b>Morrow</b>	Pool <b>Cedar Lake Morrow</b>	Dedicated Acreage: <b>320</b> Acres		

1. Outline the acreage dedicated to the subject well by colored pencil or hachure marks on the plat below.
2. If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
3. If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☒ Yes    ☐ No    If answer is "yes," type of consolidation **Communitization**

If answer is "no," list the owners and tract descriptions which have actually been consolidated. (Use reverse side of this form if necessary.) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit, eliminating such interests, has been approved by the Commission.

	<b>CERTIFICATION</b>
	<p>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.</p>
	<p>Name _____ Position _____ <b>Area Supervisor</b></p>
	<p>Company <b>Anadarko Production Company</b></p>
	<p>Date <b>January 19, 1983</b></p>
	<p>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief.</p>
	<p>Date Surveyed <b>January 6, 1983</b></p>
	<p>Registered Professional Engineer and/or Land Surveyor </p>
	<p>Certificate No. <b>7977</b></p>



C/SF

WELL COMPLETION OR RECOMPLETION REPORT AND LOG \*

C. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other \_\_\_\_\_

D. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP-EN ☐ PLUG BACK ☐ DIFF. RESVR. ☐ Other \_\_\_\_\_

E. NAME OF OPERATOR: Calnorth Pst. Corp.  
Holly Energy, Inc.

F. ADDRESS OF OPERATOR: P.O. BOX 726 Artesia, N.M. 88210

G. LOCATION OF WELL (Report location clearly and in accordance with any State requirements):  
At surface 774 FNL 2226 FWL Sec. 3 T-18S  
At top prod. interval reported below

At total depth same

H. PERMIT NO. \_\_\_\_\_ DATE ISSUED MAY 9 1984  
O. Q. D.

I. DATE SPUDDED 1-17-84 16. DATE T.D. REACHED 2-23-84 17. DATE COMPL. (Ready to produce) 3-2-84

J. TOTAL DEPTH, MD & TVD 11.650 21. PLUG, BACK T.D., MD & TVD 11.563 22. IN MULTIPLE COMPL., HOW MANY\* \_\_\_\_\_

K. PRODUCING INTERVAL(S), OF THIS COMPLETION--TOP, BOTTOM, NAME (MD AND TVD)\*  
11475-11491-Morrow

L. TYPE ELECTRIC AND OTHER LOGS RUN CNL/LDL DLL/M-SFL CML/GR CBL/GR

M. CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
13 3/8	54.50	498	17 1/2	525 sacks	none
8 5/8	32	3532	11	1750 sacks	none
4 1/2	11.6	11650	7 7/8	670 sacks	none

29. LINER RECORD					30. TUBING RECORD		
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*	SCREEN (MD)	SIZE	DEPTH SET (MD)	PACKER SET (MD)
					2 3/8	11419	11423

31. PERFORATION RECORD (Interval, size and number)  
11475-11491 .50 dia. 32 holes

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
DEPTH INTERVAL (MD)	AMOUNT AND KIND OF MATERIAL USED

33. PRODUCTION

DATE FIRST PRODUCTION \_\_\_\_\_ PRODUCTION METHOD (Flowing, gas lift, pumping--size and type of pump) Flowing WELL STATUS (Producing or shut-in) SI

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N. FOR TEST PERIOD	OIL--BBL.	GAS--MCF.	WATER--BBL.	GAS-OIL RATIO
3-5-84	24	32/64	→	49	1.5 mcf/D	7	3061
FLOW. TUBING PRESS.	CASING PRESSURE	CALCULATED 24-HOUR RATE	OIL--BBL.	GAS--MCF.	WATER--BBL.	OIL GRAVITY-API (CORR.)	
730	Packer	→	49	1.502 mcf/D	7	60.0	

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Vented TEST WITNESSED BY Robert Loyd

35. LIST OF ATTACHMENTS: open hole logs--cased hole logs--1 inch inclination

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED Robert Loyd TITLE Production Superintendent DATE April 5, 1984

**General:** This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the use of this form and the number of copies to be submitted, particularly with regard to local, area, or regional procedures and practices, either are shown below or will be issued by, or may be obtained from, the local Federal and/or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

If not filed prior to the time this summary record is submitted, copies of all currently available logs (drillers, geologists, sample and core analysis, all types electric, etc.), formations and directional surveys, should be attached hereto, to the extent required by applicable Federal and/or State laws and regulations. All attachments should be listed on this form, see item 33.

**Item 4:** If there are no applicable State requirements, locations on Federal or Indian land should be described in accordance with Federal requirements. Consult local State or Federal office for specific instructions.

**Item 18:** Indicate which elevation is used as reference (where not otherwise shown) for depth measurements given in other spaces on this form and in any attachments.

**Items 22 and 24:** If this well is completed for separate production from more than one interval zone (multiple completion), so state in item 22, and in item 24 show the producing interval, or intervals, top(s), bottom(s) and name(s) (if any) for only the interval reported in item 33. Submit a separate report (page) on this form, adequately identified, for each additional interval to be separately produced, showing the additional data pertinent to such interval.

**Item 29:** "Sacks Cement": Attached supplemental records for this well should show the details of any multiple stage cementing and the location of the cementing tool.

**Item 33:** Submit a separate completion report on this form for each interval to be separately produced. (See instruction for items 22 and 24 above.)

38. SUMMARY OF POROUS ZONES: SHOW ALL IMPORTANT ZONES OF POROSITY AND CONTENTS THEREOF; CORED INTERVALS; AND ALL DRILL-STEM TESTS, INCLUDING DEPTH INTERVAL TESTED, CUSHION USED, TIME TOOL OPEN, FLOWING AND SHUT-IN PRESSURES, AND RECOVERIES				39. GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
				Queen	2432	1103.5
				San Andres	3354	181.5
				Bone Springs	6644	-3108.5
				Wolfcamp	8630	-5094.5
				Strawn	10460	-6924.5
				Atoka	10697	-7161.5
				Morrow	10920	-7384.5
			...	Middle Morrow	11245	-7709.5
				Chester	11549	-8013.5

NEW MEXICO OIL CONSERVATION COMMISSION  
WELL LOCATION AND ACREAGE DEDICATION PLAT

Form C-102  
Supercedes C-128  
Effective 1-1-83

All distances must be from the outer boundaries of the Section.

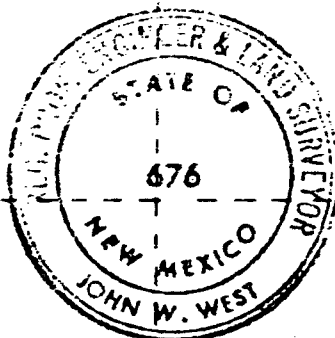
HOLLY ENERGY CO.			Lease NELSON FEDERAL		Well No. 8
Section C	Section 3	Township 18 SOUTH	Range 30 EAST	County EDDY	
1. Distance Location of Well.					
774	feet from the	NORTH	line and	2226	feet from the
3535.5	Producing Formation	Morrow	Pool	Wood Cedar Lake	Estimated Acreage
			Loce Hills, Morrow		320

- Outline the acreage dedicated to the subject well by colored pencil or hatchure marks on the plat below.
- If more than one lease is dedicated to the well, outline each and identify the ownership thereof (both as to working interest and royalty).
- If more than one lease of different ownership is dedicated to the well, have the interests of all owners been consolidated by communitization, unitization, force-pooling, etc?

☐ Yes ☐ No If answer is "yes" type of consolidation \_\_\_\_\_

If answer is "no" list the owners and tract descriptions which have actually been consolidated (Use reverse side of this form if necessary) \_\_\_\_\_

No allowable will be assigned to the well until all interests have been consolidated (by communitization, unitization, forced-pooling, or otherwise) or until a non-standard unit eliminating such interests has been approved by the Commission.



CERTIFICATION

I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief.

*Robert Loyd*

Robert Loyd  
Production Superintendent

Holly Energy, Inc.

December 8, 1983

I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision and that the same is true and correct to the best of my knowledge and belief.

Date Surveyed

NOVEMBER 30, 1983

Registered Professional Engineer and/or Land Surveyor

*John W. West*

Certificate No. JOHN W. WEST,

676

# Affidavit of Publication

State of New Mexico,  
County of Eddy, ss.

Kathy McCarroll, being first duly sworn,  
on oath says:

That she is the Classified Supervisor of the  
Carlsbad Current-Argus, a newspaper  
published daily at the City of Carlsbad, in  
said county of Eddy, state of New Mexico  
and of general paid circulation in said county;  
that the same is a duly qualified newspaper  
under the laws of the State wherein legal  
notices and advertisements may be  
published; that the printed notice attached  
hereto was published in the regular and  
entire edition of said newspaper and not in  
supplement thereof on the date as follows, to  
wit:

April 5 2009

That the cost of publication is \$38.87 and that  
payment thereof has been made and will be  
assessed as court costs.

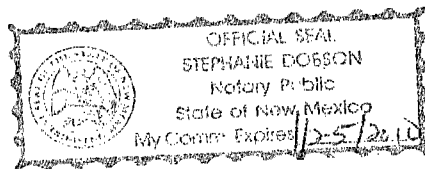
*Kathy McCarroll*

Subscribed and sworn to before me this

6<sup>th</sup> day of April, 2009  
*Stephanie Robson*

My commission Expires on 1/25/2010

Notary Public



April 5, 2009

Legal Notice  
March 30, 2009

COG Operating, LLC  
is applying to drill the  
Loco Hills SWD 3-34  
as a water disposal  
well. The Loco Hills  
SWD 3-34 well is locat-  
ed at 1375' FSL & 2555'  
E.L. Sec. 34, T. 17 S.,  
R. 30 E., Eddy County,  
NM. The well will dis-  
pose of water produced  
from oil and gas wells  
into the Wolfcamp zone  
at a depth of 8675' to  
9100'. of a maximum  
rate of 15,000 barrels of  
water per day and of a  
maximum pressure of  
1,730 psi. Interested  
parties must file objec-  
tions or requests for  
hearing with the NM Oil  
Conservation Division,  
1220 South Saint Francis  
Dr., Santa Fe, NM  
87505, within 15 days.  
Additional information  
can be obtained by con-  
tacting Brian Wood, Per-  
mits West, Inc., 37 Vera-  
no Loop, Santa Fe, NM  
87508; phone number is  
(505) 466-8120.



# VERITAS 321

ENERGY PARTNERS, LP

February 26, 2009

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Les Babyyak  
BLM  
320 East Greene St.  
Carlsbad, NM 88220

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

Dear Les:

Enclosed is a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for COG Operating, LLC Loco Hill 2-35 well. You are being provided a copy of the application as an offset operator, offset leaseholder or surface owner. COG Operating, LLC purposes to drill the subject well as a disposal well, injection to occur into the Wolfcamp formation through perforations from 8675'-9130'. This is a notice only. No action is needed unless you have questions or objections.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

Tye Orr  
Consulting Landman  
Ext. 110

7007 2560 0003 3681 8495

U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at <a href="http://www.usps.com">www.usps.com</a>	
OFFICIAL USE	
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Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.49

Sent To: BLM  
Street, Apt. No., or PO Box No.: 320 E. Greene  
City, State, ZIP+4: Carlsbad, NM 88220

Postmark Here

USPS Form 3800, August 2006 See Reverse for Instructions

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

EOG Resources, Inc.  
P.O. Box 2267  
Midland, TX 79702

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

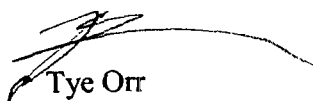
To Whom It May Concern:

Enclosed is a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for COG Operating, LLC Loco Hill 3-34 well. You are being provided a copy of the application as an offset operator, offset leaseholder or surface owner. COG Operating, LLC purposes to drill the subject well as a disposal well, injection to occur into the Wolfcamp formation through perforations from 8675'-9130'.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

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CERTIFIED MAIL <sup>TM</sup> RECEIPT	
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OFFICIAL USE	
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Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$5.45
Sent To EOG Resources, Inc.	
P.O. Box 2267	
Midland, TX 79702	
PS Form 3800, 2-9-03	

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

James Gebel  
P.O. Box 162  
Roswell, NM 88202

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

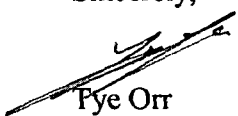
To Whom It May Concern:

Enclosed is a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for COG Operating, LLC Loco Hill 3-34 well. You are being provided a copy of the application as an offset operator, offset leaseholder or surface owner. COG Operating, LLC purposes to drill the subject well as a disposal well, injection to occur into the Wolfcamp formation through perforations from 8675'-9130'.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Pye Orr  
Consulting Landman  
Ext. 110

7007 2560 2562 0522

U.S. Postal Service <sup>TM</sup>	
CERTIFIED MAIL <sup>TM</sup> RECEIPT	
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For delivery information visit our website at <a href="http://www.usps.com">www.usps.com</a>	
OFFICIAL USE	
Postage	\$ .59
Certified Fee	2.00
Return Receipt Fee (Endorsement Required)	2.00
Restricted Delivery Fee (Endorsement Required)	
Total	\$ 5.49
Postmark Here	
Sent James Gebel	
P.O. Box 162	
Roswell, NM 88202	
PSR	

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

George D. Mitchell  
2861 Tanoble  
Altadena, CA 91001

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

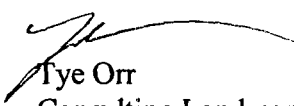
To Whom It May Concern:

Enclosed is a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for COG Operating, LLC Loco Hill 3-34 well. You are being provided a copy of the application as an offset operator, offset leaseholder or surface owner. COG Operating, LLC purposes to drill the subject well as a disposal well, injection to occur into the Wolfcamp formation through perforations from 8675'-9130'.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)	
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OFFICIAL USE	
Postage	\$ .59
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.49
Sent To George D. Mitchell Street, Apt. 2861 Tanoble or PO Box Altadena, CA 91001 City, State,	
PS Form 38	

Postmark Here

7007 2502 3692 0640



February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

James T. Coppedge  
P.O. Box 43  
Spencer, IN 47460

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

To Whom It May Concern:

Enclosed is a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for COG Operating, LLC Loco Hill 3-34 well. You are being provided a copy of the application as an offset operator, offset leaseholder or surface owner. COG Operating, LLC purposes to drill the subject well as a disposal well, injection to occur into the Wolfcamp formation through perforations from 8675'-9130'.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,



Pye Orr  
Consulting Landman  
Ext. 110

5550 2896 E000 0952 7007

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OFFICIAL USE	
Postage	\$ 1.59
Certified Fee	2.20
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.49
Sent To James T. Coppedge	
P.O. Box 43	
Spencer, IN 47460	

PS Form 3800, April 2008 Edition

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Gilbert J. Eaton  
1843 Windover Way  
West Chester, PA 19382

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

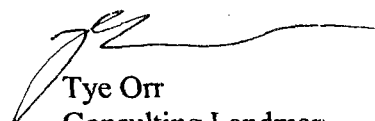
To Whom It May Concern:

Enclosed is a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for COG Operating, LLC Loco Hill 3-34 well. You are being provided a copy of the application as an offset operator, offset leaseholder or surface owner. COG Operating, LLC purposes to drill the subject well as a disposal well, injection to occur into the Wolfcamp formation through perforations from 8675'-9130'.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

9540 289E E000 0952 2002

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CERTIFIED MAIL™ RECEIPT	
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OFFICIAL USE	
Postage	\$ 5.59
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Post	5.49
Sent To Gilbert J. Eaton 1843 Windover Way West Chester, PA 19382	
Street, Apt. or PO Box	
City, State, ZIP+4	
PS Form 3800, August 2006	
See Reverse for Instructions	

Postmark Here

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

James D. Brown  
16105 Red Cedar Trail  
Dallas, TX 75248

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

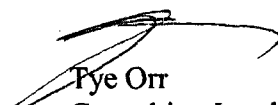
To Whom It May Concern:

Enclosed is a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for COG Operating, LLC Loco Hill 3-34 well. You are being provided a copy of the application as an offset operator, offset leaseholder or surface owner. COG Operating, LLC purposes to drill the subject well as a disposal well, injection to occur into the Wolfcamp formation through perforations from 8675'-9130'.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Pye Orr  
Consulting Landman  
Ext. 110

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OFFICIAL USE	
Postage	\$ 1.59
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.49
Sent To James D. Brown	
Street, Apt. No. 16105 Red Cedar Trail	
or PO Box No.	
City, State, Zip Dallas, TX 75248	
PS Form 380	

7007 2560 0003 3682 0290

Postmark Here

43

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Laura Lynn McCampbell  
6023 Weymouth Dr.  
Dallas, TX 75252

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico


To Whom It May Concern:

Enclosed is a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for COG Operating, LLC Loco Hill 3-34 well. You are being provided a copy of the application as an offset operator, offset leaseholder or surface owner. COG Operating, LLC purposes to drill the subject well as a disposal well, injection to occur into the Wolfcamp formation through perforations from 8675'-9130'.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

7007 2560 0000 3682 0528

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
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OFFICIAL USE	
Postage	\$ 59
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.42
Postmark Here	
Sent To Laura Lynn McCampbell	
6023 Weymouth Dr.	
Dallas, TX 75252	
PS Form 380	

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Lerwick I, Ltd.  
508 W. Wall, Ste. 1250  
Midland, TX 79702

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

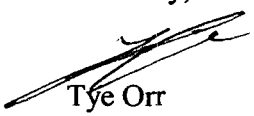
To Whom It May Concern:

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Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
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OFFICIAL USE	
Postage	\$ .59
Certified Fee	7.70
Return Receipt Fee (Endorsement Required)	7.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 15.49
Sent To Lerwick I, Ltd. 508 W. Wall, Ste. 1250 Midland, TX 79702	
Street, Apt. or PO Box	
City, State, ZIP+4	
PS Form 38	

7007 2560 0000 0952 2007

Postmark Here

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

A&S Operating, Inc.  
233 South Detroit, Ste. 200  
Tulsa, OK 74120

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

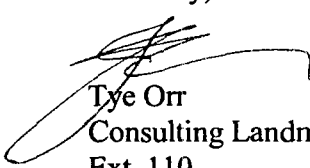
To Whom It May Concern:

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Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

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OFFICIAL USE	
Postage	\$ 1.55
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Pos	5.45
Sent To A&S Operating, Inc. 233 South Detroit, Ste. 200 Tulsa, OK 74120	
PS Form 3800, August 2006 See Reverse for Instructions	

4910 2992 0000 0952 2002

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Linda E. Schwarz  
324 W. Ramona Ave.  
Colorado Springs, CO 80906

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico


To Whom It May Concern:

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Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Fye Orr  
Consulting Landman  
Ext. 110

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For delivery information visit our website at [www.usps.com](http://www.usps.com)

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Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	3.45
<b>Total Post</b>	

Postmark Here

Sent To **Linda E. Schwarz**  
**324 W. Ramona Ave.**  
**Colorado Springs, CO 80906**  
Street, Apt. or PO Box  
City, State

PS Form 3800, August 2005

7007 2560 0003 3682 0511

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Ann D. Allison  
P.O. Box 64035  
Lubbock, TX 79464

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

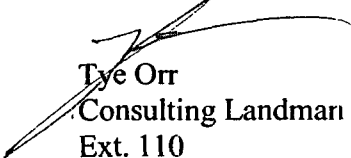
To Whom It May Concern:

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Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

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CERTIFIED MAIL <sup>TM</sup> RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at <a href="http://www.usps.com">www.usps.com</a>	
OFFICIAL USE	
Postage	\$ .59
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.49
Sent To: Ann D. Allison	
Street, Apt. No., or PO Box No. P.O. Box 64035	
City, State, ZIP+ Lubbock, TX 79464	
PS Form 3800	

7007 2560 0000 3682 0405

Postmark Here



February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mark D. Wilson  
1705 Briscoe Ave.  
Artesia, NM 88210

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico


To Whom It May Concern:

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Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

7007 2560 2962 E000 0952 2007

U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT (Domestic Mail Only; No Insurance Coverage Provided) For delivery information visit our website at <a href="http://www.usps.com">www.usps.com</a>	
OFFICIAL USE	
Postage	\$ .59
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Post	5.49
Sent To Mark D. Wilson 1705 Briscoe Ave. Artesia, NM 88210	
Street, Apt. or PO Box	
City, State,	

PS Form 3800, August 2008

Postmark Here

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Anderson Malone LLC  
P.O. Box 87  
Roswell, NM 88202

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico


To Whom It May Concern:

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Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

7007 2560 0000 3682 0443

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Return Receipt Fee (Endorsement Required)	2.20
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Total	5.49
Sent To: Anderson Malone LLC	
P.O. Box 87	
Roswell, NM 88202	
PS Form 3800, October 2007	

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February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mary J. McWhorter & James R. McWhorter  
Co-Trustees Mary J. McWhorter Trust  
P.O. Drawer 700  
Roswell, NM 88202

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

To Whom It May Concern:

Enclosed is a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for COG Operating, LLC Loco Hill 3-34 well. You are being provided a copy of the application as an offset operator, offset leaseholder or surface owner. COG Operating, LLC purposes to drill the subject well as a disposal well, injection to occur into the Wolfcamp formation through perforations from 8675'-9130'.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,



P. Orr  
Consulting Landman  
Ext. 110

7007 2560 0000 0952 0007

U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)	
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Postage	\$ .59
Certified Fee	7.20
Return Receipt Fee (Endorsement Required)	7.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.49
Sent To Mary J. McWhorter & James R. McWhorter Co-Trustees Mary J. McWhorter Trust Street, Apt. or PO Box P.O. Drawer 700 City, State Roswell, NM 88202	
PS Form 3849, June 2008 See Reverse for Instructions	

Postmark Here

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Anne S. Johnson  
14511 W. Selma  
Wichita, KS 67227

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

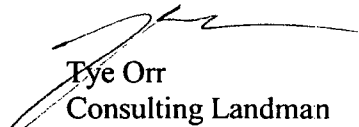
To Whom It May Concern:

Enclosed is a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for COG Operating, LLC Loco Hill 3-34 well. You are being provided a copy of the application as an offset operator, offset leaseholder or surface owner. COG Operating, LLC purposes to drill the subject well as a disposal well, injection to occur into the Wolfcamp formation through perforations from 8675'-9130'.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at <a href="http://www.usps.com">www.usps.com</a>	
OFFICIAL USE	
Postage	\$ 5.59
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 10.49
Sent To: Anne S. Johnson 14511 W. Selma Wichita, KS 67227	
Street, Apt. No. or PO Box No.	
City, State, Zip	
PS Form 3800	

5550 2896 E000 0952 7007 2560 0000 3682 0535

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February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

ARCO (Texas) Inc.  
110 Cypress Station Dr., Ste. 220  
Houston, TX 77090

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

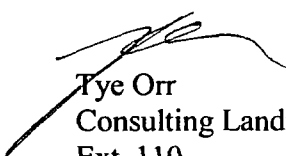
To Whom It May Concern:

Enclosed is a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for COG Operating, LLC Loco Hill 3-34 well. You are being provided a copy of the application as an offset operator, offset leaseholder or surface owner. COG Operating, LLC purposes to drill the subject well as a disposal well, injection to occur into the Wolfcamp formation through perforations from 8675'-9130'.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

7007 2560 0003 3682 0078

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Postage	\$ .59
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage	5.49
Sent To ARCO (Texas) Inc. 110 Cypress Station Dr., Ste. 220 Houston, TX 77090	
Street, Apt. or PO Box	
City, State	
PS Form 3800, August 2006	
See Reverse for Instructions	

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February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mesa Oil Company  
P.O. Box 1330  
Artesia, NM 88211

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico


To Whom It May Concern:

Enclosed is a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for COG Operating, LLC Loco Hill 3-34 well. You are being provided a copy of the application as an offset operator, offset leaseholder or surface owner. COG Operating, LLC purposes to drill the subject well as a disposal well, injection to occur into the Wolfcamp formation through perforations from 8675'-9130'.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Pye Orr  
Consulting Landman  
Ext. 110

ESTD 2007 2560 0000 3682 0152

U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT (Domestic Mail Only; No Insurance Coverage Provided) For delivery information visit our website at <a href="http://www.usps.com">www.usps.com</a>	
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Postage	\$ 59
Certified Fee	2.00
Return Receipt Fee (Endorsement Required)	2.00
Restricted Delivery Fee (Endorsement Required)	
Total Post	549
Sent To Mesa Oil Company P.O. Box 1330 Artesia, NM 88211	
Street, Apt. or PO Box	
City, State,	
PS Form 3800, September 2008	

Postmark Here

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Brigham Trusts  
22303 Golden Canyon Circle  
Chatsworth, CA 91311

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

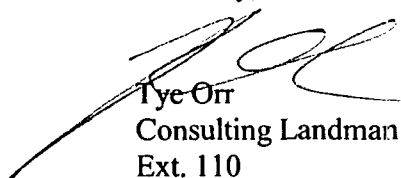
To Whom It May Concern:

Enclosed is a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for COG Operating, LLC Loco Hill 3-34 well. You are being provided a copy of the application as an offset operator, offset leaseholder or surface owner. COG Operating, LLC purposes to drill the subject well as a disposal well, injection to occur into the Wolfcamp formation through perforations from 8675'-9130'.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

5250 289E E000 0952 2007

U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT (Domestic Mail Only; No Insurance Coverage Provided)	
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Postage	\$ .59
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage	5.49
Sent To	Brigham Trusts 22303 Golden Canyon Circle Chatsworth, CA 91311
Street, Apt. 1 or PO Box N	
City, State, Z	

Postmark Here

PS Form 3800, August 2000

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mewbourne Oil Company  
P.O. Box 7698  
Tyler, TX 75711

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico


To Whom It May Concern:

Enclosed is a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for COG Operating, LLC Loco Hill 3-34 well. You are being provided a copy of the application as an offset operator, offset leaseholder or surface owner. COG Operating, LLC purposes to drill the subject well as a disposal well, injection to occur into the Wolfcamp formation through perforations from 8675'-9130'.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

7007 2560 0000 0952 2007

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OFFICIAL USE	
Postage	\$ .59
Certified Fee	2.00
Return Receipt Fee (Endorsement Required)	2.00
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.49
Sent To Mewbourne Oil Company P.O. Box 7698 Tyler, TX 75711	
Street, Apt. No., or PO Box No.	
City, State, ZIP	
PS Form 3800	

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February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

BP America Production Company  
P.O. Box 3092  
Houston, TX 77253

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

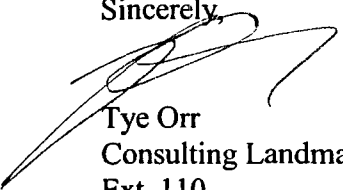
To Whom It May Concern:

Enclosed is a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for COG Operating, LLC Loco Hill 3-34 well. You are being provided a copy of the application as an offset operator, offset leaseholder or surface owner. COG Operating, LLC purposes to drill the subject well as a disposal well, injection to occur into the Wolfcamp formation through perforations from 8675'-9130'.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

7007 2560 0003 3682 0171

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Postage	\$ 1.59
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total	5.49
BP America Production Company	
P.O. Box 3092	
Houston, TX 77253	
PS See Reverse for Instructions	

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February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Mia Mitchell Simmons  
1272 11<sup>th</sup> Street  
Los Osos, CA 93402

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico


To Whom It May Concern:

Enclosed is a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for COG Operating, LLC Loco Hill 3-34 well. You are being provided a copy of the application as an offset operator, offset leaseholder or surface owner. COG Operating, LLC purposes to drill the subject well as a disposal well, injection to occur into the Wolfcamp formation through perforations from 8675'-9130'.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

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Postage	\$ .59
Certified Fee	2.20
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.49
Postmark here	
Sent To Mia Mitchell Simmons Street, Apt. No. 1272 11 <sup>th</sup> Street or PO Box No. City, State, ZIP+4 Los Osos, CA 93402	
PS Form 3800	

7007 2560 0003 3682 0502 4050 299E E000 0952 2007

February 26, 2009

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Brent W. McWhorter or Ruth A. McWhorter  
Trustees of the McWhorter Living Trust  
6140 E. Voltaire Ave.  
Scottsdale, AZ 85254

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

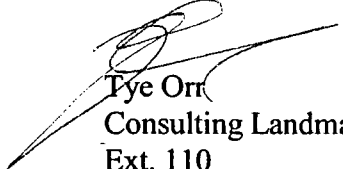
To Whom It May Concern:

Enclosed is a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for COG Operating, LLC Loco Hill 3-34 well. You are being provided a copy of the application as an offset operator, offset leaseholder or surface owner. COG Operating, LLC purposes to drill the subject well as a disposal well, injection to occur into the Wolfcamp formation through perforations from 8675'-9130'.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

4240 289E E000 0952 2007

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OFFICIAL USE	
Postage	\$ 5.59
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	5.49
Sent To	Brent W. McWhorter or Ruth A. McWhorter Trustees of the McWhorter Living Trust 6140 E. Voltaire Ave. Scottsdale, AZ 85254

PS Form 38 See Reverse for Instructions

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Michael H. Moore  
P.O. Box 3389  
Sherman, TX 75091

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

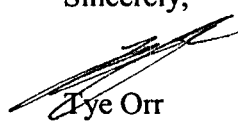
To Whom It May Concern:

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Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

7007 2500 2092 0000 0952 2007

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OFFICIAL USE	
Postage	\$ .59
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.49
Postmark Here	
Sent To Michael H. Moore	
P.O. Box 3389	
Sherman, TX 75091	
PS Form 3800	
See Reverse for Instructions	

February 26, 2009

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

C.W. Stumhoffer  
3108 Overton Parks Dr., W  
Fort Worth, TX 76109

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico


To Whom It May Concern:

Enclosed is a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for COG Operating, LLC Loco Hill 3-34 well. You are being provided a copy of the application as an offset operator, offset leaseholder or surface owner. COG Operating, LLC purposes to drill the subject well as a disposal well, injection to occur into the Wolfcamp formation through perforations from 8675'-9130'.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Pye Orr  
Consulting Landman  
Ext. 110

7007 2560 0003 3682 0115

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OFFICIAL USE	
Postage	\$ .59
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.49
Sent To	C.W. Stumhoffer
Street, Apt. No., or PO Box No.	3108 Overton Parks Dr., W
City, State, ZIP+	Fort Worth, TX 76109
PS Form 3800, 7-07	

Postmark Here

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Unit Petroleum Company  
7130 South Lewis, Ste. 1000  
Tulsa, OK 74136

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

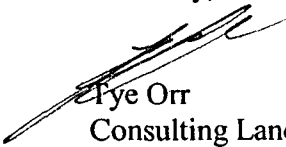
To Whom It May Concern:

Enclosed is a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for COG Operating, LLC Loco Hill 3-34 well. You are being provided a copy of the application as an offset operator, offset leaseholder or surface owner. COG Operating, LLC purposes to drill the subject well as a disposal well, injection to occur into the Wolfcamp formation through perforations from 8675'-9130'.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Elye Orr  
Consulting Landman  
Ext. 110

7007 2560 0003 3682 0146

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<b>OFFICIAL USE</b>	
Postage	\$ .59
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.70
Restricted Delivery Fee (Endorsement Required)	
Total Postage &	5.49
Sent To Unit Petroleum Company 7130 South Lewis, Ste. 1000 Tulsa, OK 74136	
Street, Apt. No., or PO Box No.	
City, State, ZIP+4	
PS Form 3800, August 2007	

Postmark Here

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Camterra Resources Partners, Ltd.  
2615 E. End Blvd. South  
Marshall, TX 75670

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

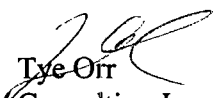
To Whom It May Concern:

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Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

7007 2560 0003 3662 0092

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OFFICIAL USE	
Postage	\$ 1.55
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.10
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.45
Sent To	Camterra Resources Partners, Ltd.
Street, Apt. or PO Box	2615 E. End Blvd. South
City, State, ZIP	Marshall, TX 75670
PS Form 38	

Postmark Here

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Charles F. Malone, Trustee  
Charles F. Malone Living Trust  
P.O. Drawer 700  
Roswell, NM 88202

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

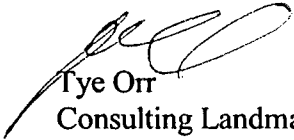
To Whom It May Concern:

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Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

U.S. Postal Service™	
CERTIFIED MAIL™ RECEIPT	
(Domestic Mail Only; No Insurance Coverage Provided)	
For delivery information visit our website at <a href="http://www.usps.com">www.usps.com</a>	
OFFICIAL USE	
Postage	\$ .59
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage	\$ 5.49
Sent To: Charles F. Malone, Trustee	
Charles F. Malone Living Trust	
P.O. Drawer 700	
Roswell, NM 88202	
PS Form 3800, November 2008	

0540 2996 0000 0952 2007

Postmark Here



February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Weller Energy Inc.  
132 Green Ave.  
Madison, NJ 07940

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico


To Whom It May Concern:

Enclosed is a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for COG Operating, LLC Loco Hill 3-34 well. You are being provided a copy of the application as an offset operator, offset leaseholder or surface owner. COG Operating, LLC purposes to drill the subject well as a disposal well, injection to occur into the Wolfcamp formation through perforations from 8675'-9130'.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

9520 289E E000 0952 2007

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CERTIFIED MAIL™ RECEIPT	
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OFFICIAL USE	
Postage	\$ .39
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage	5.49
Sent To: Weller Energy Inc. 132 Green Ave. Madison, NJ 07940	
Street, Apt. No. or PO Box No	
City, State, Zip	
PS Form 3800, August 2006	

Postmark here

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Chase Oil Corporation  
P.O. Box 1767  
Artesia, NM 88211

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

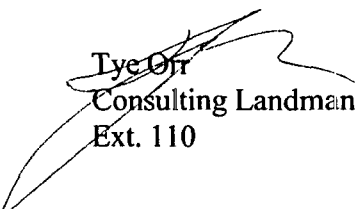
To Whom It May Concern:

Enclosed is a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for COG Operating, LLC Loco Hill 3-34 well. You are being provided a copy of the application as an offset operator, offset leaseholder or surface owner. COG Operating, LLC purposes to drill the subject well as a disposal well, injection to occur into the Wolfcamp formation through perforations from 8675'-9130'.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

7007 2560 0003 3682 0313

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Postage	\$ .59
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.49
Sent To: Chase Oil Corporation	
Street, or PO: P.O. Box 1767	
City, S: Artesia, NM 88211	
PS Form	

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Instructions

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Westway Petro  
4514 Cole Ave., Ste. 1005  
Dallas, TX 75205

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico


To Whom It May Concern:

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Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

7007 2560 0000 3682 0221

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Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.49

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PS

Westway Petro  
4514 Cole Ave., Ste. 1005  
Dallas, TX 75205

Instructions

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Chesapeake Exploration Ltd.  
P.O. Box 18496  
Oklahoma City, OK 73154

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

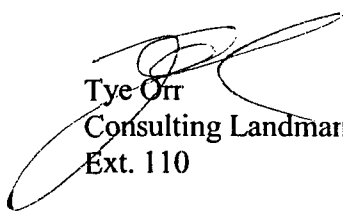
To Whom It May Concern:

Enclosed is a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for COG Operating, LLC Loco Hill 3-34 well. You are being provided a copy of the application as an offset operator, offset leaseholder or surface owner. COG Operating, LLC purposes to drill the subject well as a disposal well, injection to occur into the Wolfcamp formation through perforations from 8675'-9130'.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

7007 2560 0003 3682 0351

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OFFICIAL USE	
Postage	\$ .59
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.49
Sent To Chesapeake Exploration Ltd. P.O. Box 18496 Oklahoma City, OK 73154	
PS Form 3800	

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February 26, 2009

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

Clare Company, LLC  
30831 Olympic Place  
Laguna Niguel, CA 92677

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

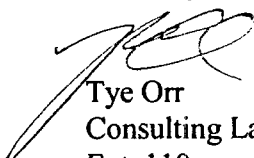
To Whom It May Concern:

Enclosed is a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for COG Operating, LLC Loco Hill 3-34 well. You are being provided a copy of the application as an offset operator, offset leaseholder or surface owner. COG Operating, LLC purposes to drill the subject well as a disposal well, injection to occur into the Wolfcamp formation through perforations from 8675'-9130'.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

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Postage	\$ .59
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage	5.49
Sent To: Clare Company, LLC	
30831 Olympic Place	
Laguna Niguel, CA 92677	
City, State, ZIP+4	

PS Form 3800, August 2006 See Reverse for Instructions

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Nadel & Gussman Permian, LLC  
601 N. Marienfeld, Ste. 508  
Midland, TX 79701

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico


To Whom It May Concern:

Enclosed is a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for COG Operating, LLC Loco Hill 3-34 well. You are being provided a copy of the application as an offset operator, offset leaseholder or surface owner. COG Operating, LLC purposes to drill the subject well as a disposal well, injection to occur into the Wolfcamp formation through perforations from 8675'-9130'.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

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OFFICIAL USE	
Postage	\$ .59
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.49
Sent To: Nadel & Gussman Permian, LLC	
Street, Apt. No., or PO Box No. 601 N. Marienfeld, Ste. 508	
City, State, ZIP+4® Midland, TX 79701	
PS Form 3800	

2710 289E E000 0952 1007

Postmark Here

February 26, 2009

**CERTIFIED MAIL**  
**RETURN RECEIPT REQUESTED**

ConocoPhillips Company  
P.O. Box 2197  
Houston, TX 77252

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

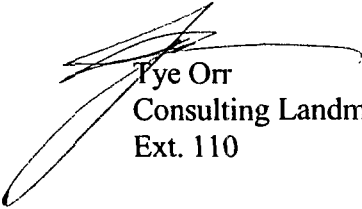
To Whom It May Concern:

Enclosed is a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for COG Operating, LLC Loco Hill 3-34 well. You are being provided a copy of the application as an offset operator, offset leaseholder or surface owner. COG Operating, LLC purposes to drill the subject well as a disposal well, injection to occur into the Wolfcamp formation through perforations from 8675'-9130'.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

7007 2560 0003 3682 0108

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OFFICIAL USE	
Postage	\$ .59
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total P	\$ 5.49
Sent To ConocoPhillips Company	
P.O. Box 2197	
Houston, TX 77252	
City, State	

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PS Form 3800, August 2008

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Pamela Anne Evans  
7625 Parkview Circle  
Austin, TX 78731

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico


To Whom It May Concern:

Enclosed is a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for COG Operating, LLC Loco Hill 3-34 well. You are being provided a copy of the application as an offset operator, offset leaseholder or surface owner. COG Operating, LLC purposes to drill the subject well as a disposal well, injection to occur into the Wolfcamp formation through perforations from 8675'-9130'.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

9950 289E 0000 0952 2002

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Postage	\$ .59
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.49

Sent To Pamela Anne Evans  
Street, Apt. 7625 Parkview Circle  
or PO Box No Austin, TX 78731  
City, State, Zip

Postmark Here

PS Form 380



February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

CWM 2000-C, Ltd.  
P.O. Box 7698  
Tyler, TX 75711

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

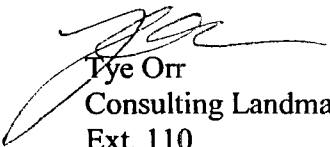
To Whom It May Concern:

Enclosed is a copy of Oil Conservation Division Form C-108 (Application for Authorization to Inject) for COG Operating, LLC Loco Hill 3-34 well. You are being provided a copy of the application as an offset operator, offset leaseholder or surface owner. COG Operating, LLC purposes to drill the subject well as a disposal well, injection to occur into the Wolfcamp formation through perforations from 8675'-9130'.

Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

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Postage	\$ .59
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.49
CWM 2000-C, Ltd.	
P.O. Box 7698	
Tyler, TX 75711	

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PS Form 3800, November 2008

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Paul Slayton  
P.O. Box 2035  
Roswell, NM 88201

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico


To Whom It May Concern:

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Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

5420 289E E000 0552 2007 2560 0000 3682 0245

U.S. Postal Service™ CERTIFIED MAIL™ RECEIPT (Domestic Mail Only; No Insurance Coverage Provided) For delivery information visit our website at <a href="http://www.usps.com">www.usps.com</a>	
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Postage	\$ .59
Certified Fee	7.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.49

Sent **Paul Slayton**  
P.O. Box 2035  
Roswell, NM 88201

Postmark Here

PS Form 3849, October 2008

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

David H. Arrington #1  
P.O. Box 2071  
Midland, TX 79702

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

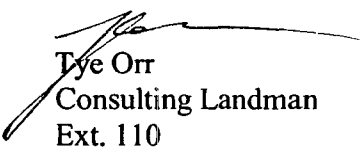
To Whom It May Concern:

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Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

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Postage	\$ .59
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage	5.49

Sent To **David H. Arrington #1**  
**P.O. Box 2071**  
**Midland, TX 79702**

PS Form 3800, August 2008 See Reverse for Instructions

17940 2892 0003 3682 0481

Postmark Here

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Paula Dooley, Personal Representative  
Estate of William Patrick Dooley  
1006 South 2<sup>nd</sup> Street  
Artesia, NM 88210

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico


To Whom It May Concern:

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Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

2520 299E E000 0952 2007

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OFFICIAL USE	
Postage	\$ .59
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage	5.49
Sent To Paula Dooley, Personal Representative Estate of William Patrick Dooley Street, Ap 1006 South 2 <sup>nd</sup> Street or PO Box City, State Artesia, NM 88210	

PS Form 3800, April 2008

Postmark Here

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Davis A. Coppedge  
466 Goodwin Dr.  
Richardson, TX 75081

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

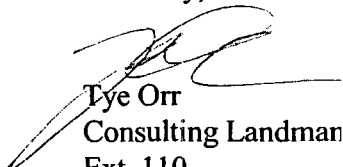
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Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

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Postage	\$ .59
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.49
Sent To	Davis A. Coppedge
Street, Apt. No. or PO Box No.	466 Goodwin Dr.
City, State, Zip	Richardson, TX 75081
PS Form 3800	

2450 289E E000 0952 2002

Postmark Here

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Read & Stevens Inc.  
P.O. Box 1518  
Roswell, NM 88202

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico


To Whom It May Concern:

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Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

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OFFICIAL USE	
Postage	\$ .51
Certified Fee	2.70
Return Receipt Fee (Endorsement Required)	2.20
Restricted Delivery Fee (Endorsement Required)	
Total Postage	5.41
Sent To	
Read & Stevens Inc.	
P.O. Box 1518	
Roswell, NM 88202	
Street, Apt. No. or PO Box No.	
City, State, ZIP	
PS Form 3800	

7007 2560 0003 3682 0276

Postmark Here

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Elizabeth E. Eaton  
5870 S. Curtice  
Littleton, CO 80120

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

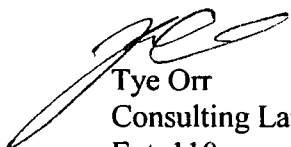
To Whom It May Concern:

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Objections must be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days.

Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

7007 2560 0000 3682 0429

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or PO Box Littleton, CO 80120	
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PS Form 3849, June 2008

February 26, 2009

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Rialto Production Company  
P.O. Box 61206  
Houston, TX 77208

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

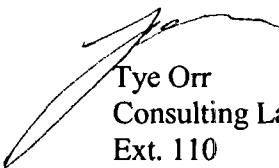
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Tye Orr  
Consulting Landman  
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P.O. Box 61206	
Houston, TX 77208	
City, State	

PS Form 3800, August 2006



February 26, 2009

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Rio Pecos Corporation  
4501 Green Tree Blvd.  
Midland, TX 79707

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

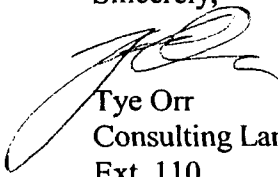
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Tye Orr  
Consulting Landman  
Ext. 110

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Street, Apt. or PO Box City, State	
PS Form 3842, June 2008	

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February 26, 2009

CERTIFIED MAIL  
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Robert M. Keenan Executor  
Estate of Ann Mitchell Keenan  
P.O. Box 99  
Avenal, CA 93204

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

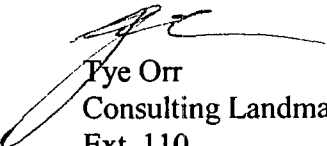
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Thank you for your cooperation in this matter.

Sincerely,

  
Pye Orr  
Consulting Landman  
Ext. 110

2007 2560 0003 3682 0412

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Street, Apt. No. or PO Box No.	
City, State, ZIP	
PS Form 3800	

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Roy L. Crow  
P.O. Box 5527  
Granbury, TX 76049

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

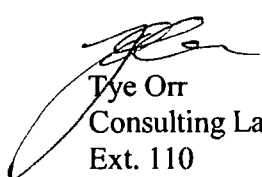
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Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

7000 2996 E000 0952 2007

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See Reverse for Instructions	

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February 26, 2009

CERTIFIED MAIL  
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Shahara Oil Corp.  
207 W. McKay  
Carlsbad, NM 88220

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
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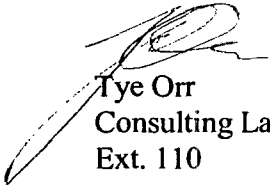
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Thank you for your cooperation in this matter.

Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

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Street, Apt. No. or PO Box No. City, State, Zip	
PS Form 3800	

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February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Southern Bay Energy LLC  
110 Cypress Station Dr., Ste. 220  
Houston, TX 77090

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico


To Whom It May Concern:

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Tye Orr  
Consulting Landman  
Ext. 110

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Street or P.O. Box	
City	
PSF	Instructions

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February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Tara Jon Corporation  
6003 Meadow View Lane  
Midland, TX 79707

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

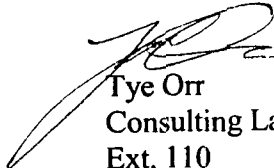
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Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

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Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 5.49
Postmark Here	
Sent To Tara Jon Corporation 6003 Meadow View Lane Midland, TX 79707	
Street, Apt. No. or PO Box No.	
City, State, ZIP	
PS Form 3800	

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February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Todd Memorial Trust  
P.O. Box 1973  
Roswell, NM 88201

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

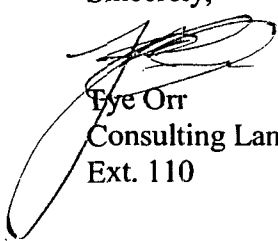
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Thank you for your cooperation in this matter.

Sincerely,

  
Ely Orr  
Consulting Landman  
Ext. 110

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P.O. Box 1973	
Roswell, NM 88201	
PS Form 3842	

February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Yates Petroleum Corporation  
105 S. Fourth Street  
Artesia, NM 88210

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

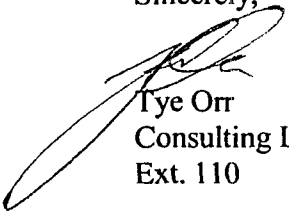
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Sincerely,

  
Tye Orr  
Consulting Landman  
Ext. 110

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Total Postage & Fees	\$5.49
Yates Petroleum Corporation	
Sent To	105 S. Fourth Street
Street, Apt. or PO Box	Artesia, NM 88210
City, State,	
PS Form 3800	7007 2560 0003 3682 0207



February 26, 2009

CERTIFIED MAIL  
RETURN RECEIPT REQUESTED

Michael K. Boyd Trust  
111 W. 5<sup>th</sup>, Ste. 700  
Tulsa, OK 74013

RE: COG Operating, LLC.  
Form C-108 (Application for Authorization to Inject)  
Loco Hills SWD 3-34  
1375' FSL & 2555' FEL, Section 34, T-17S, R-30E, N.M.P.M.,  
Eddy Co., New Mexico

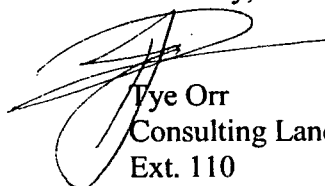
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Consulting Landman  
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Sent To Michael K. Boyd Trust	
111 W. 5 <sup>th</sup> , Ste. 700	
Tulsa, OK 74013	
Street, Apt. N or PO Box N	
City, State, Z	
PS Form 3800, August 2006	
See Reverse for Instructions	

**Jones, William V., EMNRD**

---

**From:** Jones, William V., EMNRD  
**Sent:** Wednesday, March 25, 2009 5:42 PM  
**To:** 'Mark Fairchild'  
**Cc:** Ezeanyim, Richard, EMNRD; 'Wesley\_Ingram@blm.gov'; Reeves, Jacqueta, EMNRD  
**Subject:** Disposal Application from COG: Proposed Loco Hills 34 SWD Well No. 3 Unit J, Sec 34, T17S, R30E, Eddy County

Hello Mark:

Proposed injection interval is in the Wolfcamp Reef: <sup>75'</sup> ~~8650~~ to 9130 feet.

- 1) AOR wells appear to be fine – I did have to calculate cement tops after researching well files. Please do wellbore diagrams in the future SWD submittals for all AOR wells (penetrating the injection interval) surrounding the intended disposal well.
- 2) The depth on the proposed well is either 9700 feet or ~~9945~~ feet – please let me know which?

The only issues I see are the same as the other applications:

- 1) Verify by doing a field check to ensure there are no windmills or other wells within 1 mile of this well. If so, send a water analysis.
- 2) Send a copy of the actual Newspaper Notice as posted in the paper. ✓
- 3) This is a new proposed federal well. Please plan on mudlogging the well and running open hole logs and sending copies of both of these (over the injection interval) to the Division.
- 4) What is the status of your APD with the Feds? We like to have an API number if possible, but can add it later to our records if we have to. Let us know asap if the footage location of the well changes.

Thank You,

William V. Jones PE  
New Mexico Oil Conservation Division  
1220 South St. Francis  
Santa Fe, NM 87505  
505-476-3448

**Jones, William V., EMNRD**

---

**From:** Joyce Yamagiwa [Joyce@keenanland.com]  
**Sent:** Friday, March 27, 2009 1:13 PM  
**To:** Jones, William V., EMNRD  
**Cc:** Chop Keenan  
**Subject:** Objection to COG Operating, LLC Application for Authorization to Inject  
**Attachments:** Veritas injection application.pdf

Dear Will,

In accordance with our telephone conversation yesterday, attached please find our letter of objection. A copy of the letter has been mailed to Tye Orr of Veritas 321 Energy Partners, LP.

Thank you for your assistance. Should you have any questions, I can be telephoned directly at 650-6124-6236, or via email at this address.

Best regards,

Joyce Yamagiwa for

The Judith Keenan Trust formerly The Estate of Ann Mitchell Keenan

---

This inbound email has been scanned by the MessageLabs Email Security System.

---

KEENAN LAND COMPANY

March 26, 2009

Will Jones  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

RE: COG Operating, LLC  
Application for Authorization to Inject  
Loco Hill 3-34 well and 2-35 well

Dear Mr. Jones,

I have been notified by Veritas 321 Energy Partners, LP that an Oil Conservation Division Form C-108 has been filed for the above referenced wells.

I hereby file my objection to the proposed salt water disposal.

Thank you for your consideration.

Sincerely,



Charles J. Keenan, III, Trustee  
Judith Keenan Trust

**Jones, William V., EMNRD**

---

**From:** Jones, William V., EMNRD  
**Sent:** Tuesday, March 31, 2009 3:49 PM  
**To:** 'Mark Fairchild'  
**Cc:** Ezeanyim, Richard, EMNRD; Kautz, Paul, EMNRD  
**Subject:** RE: Disposal applications from COG into the Wolfcamp Reef near Maljamar, Five Proposed New Wells  
**Attachments:** KeenanProtestofCOGApplication.tif

Mark:

Per our conversation earlier today, here attached is the letter of protest for two of your five recent applications for disposal wells.

Loco Hills 34 SWD Well No. 3

Loco Hills 35 SWD Well No. 2

This letter was attached from an email from: Ms. Joyce Yamagiwa [Joyce@keenanland.com](mailto:Joyce@keenanland.com)

If you think the protests will take long to resolve, you have the option of having your attorney file cases for examiner hearing. These cases could be dismissed if you reach settlement. Pending a retraction letter from Ms. Yamagiwa, we cannot proceed to evaluate these two applications.

Understand due to the AOR problems, you are looking to move the proposed Skelly SWD 28 #1 to an alternate location and will be re-submitting a new C-108 for the new location (with wellbore diagrams on all AOR wells).

Since all other concerns will be quickly addressed on the other two wells (Maljamar 29-1 and Loco Hills 33-4), we will keep these two applications on file. I will wait for the requested data (Newspaper Notice, etc) and the compilation of tops from your geologists before proceeding.

Regards,

William V. Jones PE  
New Mexico Oil Conservation Division  
1220 South St. Francis  
Santa Fe, NM 87505  
505-476-3448

---

**From:** Mark Fairchild [<mailto:MFairchild@conchoresources.com>]  
**Sent:** Monday, March 30, 2009 12:37 PM  
**To:** Jones, William V., EMNRD  
**Subject:** Appointment to call

Will, need to make an appointment with you so my Geologist and I can call to discuss tops.

Thanks and G'g'em

Mark A. Fairchild

Office: 432-686-3021

Cell: 432-230-7170

KEENAN LAND COMPANY

April 8, 2009

Will Jones  
Oil Conservation Division  
1220 South St. Francis Dr.  
Santa Fe, New Mexico 87505

RE: COG Operating, LLC  
Application for Authorization to Inject  
Loco Hill 3-34 well and 2-35 well

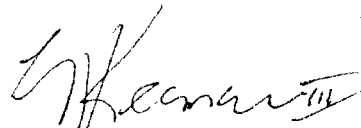
Dear Mr. Jones,

I hereby withdraw my objection filed March 26, 2009, to the Application for Authorization to Inject filed by Veritas 321 Energy Partners, LP for the above referenced wells.

Please be advised that the notice was made to Robert M. Keenan, Executor of the Estate of Ann Mitchell Keenan. The Estate was closed March 6, 1998, and the interest was distributed to Charles J. Keenan, III, Trustee of the Judith Keenan Trust.

Thank you for your consideration.

Sincerely,

A handwritten signature in dark ink, appearing to read "C. Keenan III", written in a cursive style.

Charles J. Keenan, III, Trustee  
Judith Keenan Trust

# Injection Permit Checklist (7/8/08)

Case \_\_\_\_\_ R- \_\_\_\_\_ SWD (1176) WFX \_\_\_\_\_ PMX \_\_\_\_\_ IPI \_\_\_\_\_ Permit Date 4/1/09 UIC Qtr (AMT)

# Wells 1 Well Name: LOGG HILLS SWD 3-34

API Num: (30-) 015 Spud Date: New New/Old: N (UIC primacy March 7, 1982)

Footages 1375 FSL/2555 FEL Unit J Sec 34 Tsp 175 Rge 30E County EDDY

Operator: COG OPERATING LLC Contact Mark A. Fairchild

OGRID: 229137 RULE 40 Compliance (Wells) 7/1375 (Finan Assur) OK

Operator Address: 550 West TEXAS AVE, SUITE 1300, MIDLAND, TX, 79701

Current Status of Well: \_\_\_\_\_

Planned Work to Well: \_\_\_\_\_

Planned Tubing Size/Depth: 3 1/2 @ 875'

	Sizes Hole.....Pipe	Setting Depths	Cement Sx or Cf	Cement Top and Determination Method
<u>Existing</u> Surface	<u>17 1/2 13 3/8</u>	<u>650'</u>		<u>CIRC</u>
<u>Existing</u> Intermediate	<u>12 1/4 9 5/8</u>	<u>4000'</u>		<u>CIRC</u>
<u>Existing</u> Long String	<u>8 3/4 7"</u>	<u>875'</u>		<u>CIRC</u>

*New well*

DV Tool 7000 Liner \_\_\_\_\_ Open Hole \_\_\_\_\_ Total Depth \_\_\_\_\_ PBDT \_\_\_\_\_

Well File Reviewed none

Diagrams: Before Conversion \_\_\_\_\_ After Conversion ✓ Elogs in Imaging File: new well

Intervals:	Depths	Formation	Producing (Yes/No)
Above (Name and Top)			
Above (Name and Top)	<u>8667</u>	<u>WC TOP</u>	
Injection..... Interval TOP:	<u>8635</u>	<u>WC Roof</u>	
Injection..... Interval BOTTOM:	<u>9130</u>	<u>WC Roof</u>	
Below (Name and Top)			

9700' OL

Sensitive Areas: Capitan Roof \_\_\_\_\_ Cliff House \_\_\_\_\_ Salt Depths 580 - 1325

..... Brush Area (R-1-1-P) Retash Lessee Noticed?

Fresh Water: Depths: \_\_\_\_\_ Wells(Y/N) \_\_\_\_\_ Analysis Included (Y/N): \_\_\_\_\_ Affirmative Statement: ✓

Salt Water: Injection Water Types: \_\_\_\_\_ Analysis? \_\_\_\_\_

Injection Interval.....Water Analysis: \_\_\_\_\_ Hydrocarbon Potential \_\_\_\_\_

Notice: Newspaper(Y/N) \_\_\_\_\_ Surface Owner \_\_\_\_\_ Mineral Owner(s) \_\_\_\_\_

RULE 701B(2) Affected Parties: \_\_\_\_\_

Area of Review: Adequate Map (Y/N) ✓ and Well List (Y/N) Poor Data

Active Wells 3 Num Repairs 0 Producing in Injection Interval in AOR NO

..P&A Wells 0 Num Repairs \_\_\_\_\_ All Wellbore Diagrams Included? \_\_\_\_\_

Questions to be Answered:

800' deeper than Bottom Perf? OK  
Turn in mudlog of over WC Roof

Required Work on This Well: \_\_\_\_\_ Request Sent \_\_\_\_\_ Reply: \_\_\_\_\_

AOR Repairs Needed: \_\_\_\_\_ Request Sent \_\_\_\_\_ Reply: \_\_\_\_\_

\_\_\_\_\_ Request Sent \_\_\_\_\_ Reply: \_\_\_\_\_