

COLEMAN (JUNIPER #4)

8/31/05 <small>DATE IN</small>	9/15/05 <small>SUSPENSE</small>	WSS <small>ENGINEER</small>	SWD- 6022 <small>LOGGED IN</small>	PWNJ0536740212 <small>APP NO.</small>
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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



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]
[SWD-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.

Print or Type Name	Signature	Title	Date
e-mail Address			

6-2-10-05
 Rep. App. weller
 30-045-32783
 Juniper #4
 Coleman Oil & Gas Inc

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage
Application qualifies for administrative approval? X Yes No
- II. OPERATOR: Coleman Oil & Gas, Inc.
ADDRESS: P.O. Drawer 3337, Farmington, NM 87499
CONTACT PARTY: Michael T. Hanson PHONE: (505) 327-0356
- 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 X 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: Michael T. Hanson TITLE: Operations Engineer
SIGNATURE: Michael T. Hanson DATE: August 18, 2005
E-MAIL ADDRESS: cogmhanson@sprynet.com
- * 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: _____
- DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

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.

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.

INJECTION WELL DATA SHEET

OPERATOR: Coleman Oil & Gas, Inc.WELL NAME & NUMBER: Juniper SWD #430-045-32783WELL LOCATION: 660 FSL and 2015 FWL

FOOTAGE LOCATION

N

UNIT LETTER

17

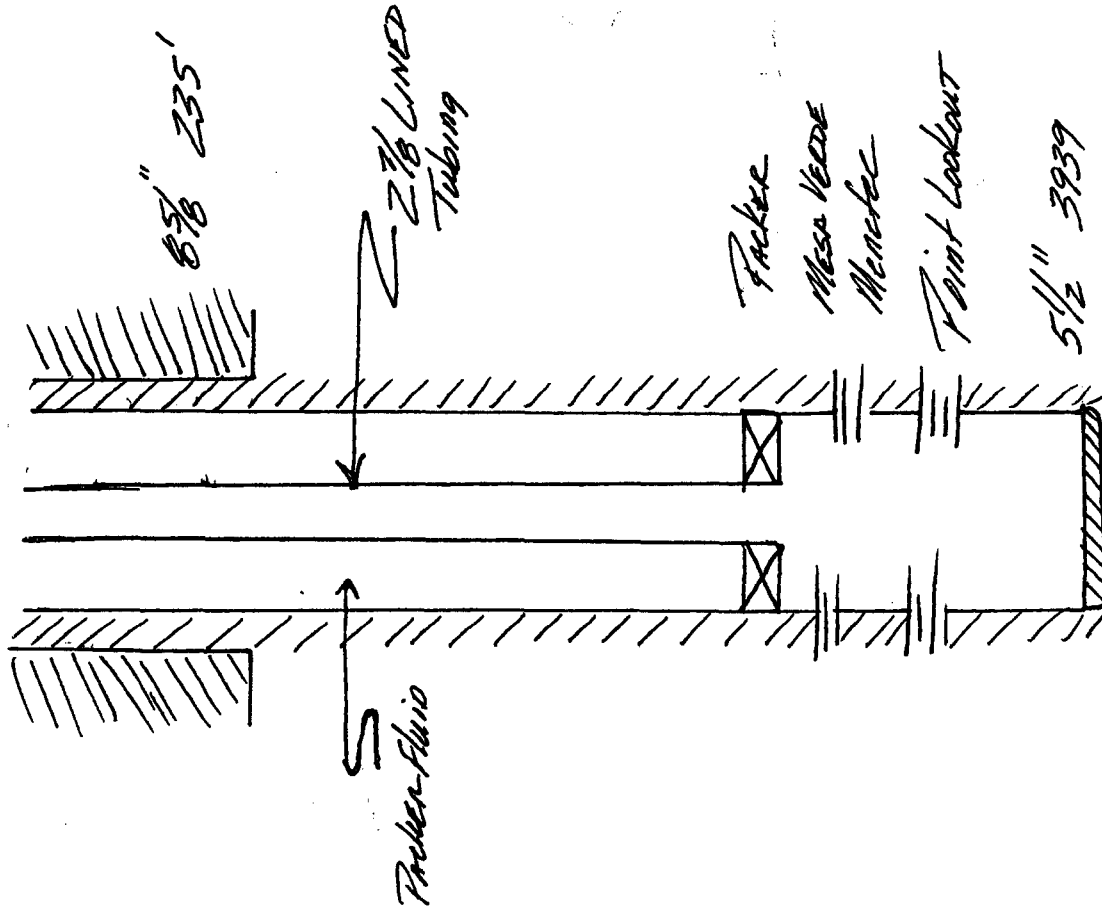
SECTION

24N

TOWNSHIP

10W

RANGE

WELLBORE SCHEMATICWELL CONSTRUCTION DATASurface CasingHole Size: 12 1/4"Casing Size: 8 5/8"Cemented with: 185 sx.or 218 ft³Top of Cement: SurfaceMethod Determined: ObservedIntermediate Casing

Hole Size: _____

Casing Size: _____

Cemented with: _____ sx. or _____

or _____ ft³

Top of Cement: _____

Method Determined: _____

Production CasingHole Size: 7 7/8"Casing Size: 5 1/2"Cemented with: 272, 100, 175, 50 sx.or 710, 126, 457, 63 ft³Top of Cement: SurfaceMethod Determined: ObservedTotal Depth: 3939 ft.Injection Interval

Menefee 2815 feet to 3622 feet.

Point Lookout 3677 feet to 3765 feet.

(Perforated or Open Hole; indicate which)

TD WELL 3940

INJECTION WELL DATA SHEET

Tubing Size: 2 7/8" Lining Material: Internally Coated

Type of Packer: Arrowset I with "T-2" on/off tool and "F" Type profile nipple

Packer Setting Depth: 2740 Ft. KB.

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

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

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

2. Name of the Injection Formation: Mesa Verde

3. Name of Field or Pool (if applicable): SWD, Mesa Verde Blanco

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. No

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

Overlying – Fruitland Coal – 1190', Pictured Cliffs – 1213'

Underlying – Gallup – 4946', Dakota – 5952'

**APPLICATION FOR AUTHORIZATION TO INJECT
FORM C-108 SUPPLEMENTAL DATA**

**Juniper SWD #4
Section 17- T24N-R10W
660 FSL & 2015 FWL**

- V. See attached map showing area of review and attached list of wells.
- VI. There are two wells within the area of review. One has been plugged and abandoned the other is a Gallup producer. Wellbore diagrams are attached.
- VII. Data on proposed injection operations are as follows:
1. Average Injection Rate – 3000 bwpd (2.08 bbl/min)
Maximum Injection Rate – 4000 bwpd (2.78 bbl/min)
 2. Closed system. Water will be piped from the producing wells into tanks on location.
 3. Primary - Point Lookout Formation
Average injection pressure – 714 psig
Maximum injection pressure – 1514 psig
Secondary - Menefee Formation
Average injection pressure – 563 psig
Maximum injection pressure – 1405 psig
The pressures listed above are estimated. The maximum injection pressure will be determined by a step-rate test after the well is completed.
 4. Produced Fruitland Coal Water with TDS of approximately 11,000 to 20,000 ppm will be injected into the Mesa Verde in the Juniper SWD #4 well. A representative analysis of the Fruitland Coal water that is to be injected is attached.
 5. Chemical analysis of the water in the Mesa Verde zone will be submitted after the well has completed.
- VIII. Geological & Lithological data on the Injection Zone.
1. The proposed zone of injection is in the Mesa Verde Formation. The Mesa Verde formation is 1590' – 3940'. The primary target is the Point Lookout Member from 3673'– 3765' and a secondary target is the Menefee Member from 2669' – 3673'. See attached copy of open hole logs showing the Mesa Verde Formation in the Monument #1 and the Juniper SWD #4 (Section 17, T24N, R10W).
 2. Lithology – Mesa Verde Formation which contains the Point Lookout, Menefee and Cliff House Formations are primarily a

sandstone/shale sequence with porosities ranging from 6 to 20 percent. The permeability values range from 0.5 to 2.0 millidarcy.

3. Other than the aquifers that are contained in the surface alluvium, there are no known drinking water aquifers in the area of review.

- IX. It is planned to perforate the Point Lookout and the Menefee formation and slick water frac these zones with approximately 100,000 pounds of 20/40 sand. After completion a step-rate test will be performed to determine the maximum allowable surface injection pressure.
- X. Open hole resistivity and porosity logs were run on the Juniper SWD #4 when it was drilled.
- XI. According to the *Hydrologic Report #6* published by the New Mexico Bureau of Mines and Minerals Resources, there are no known sources of potable water in the immediate area of the well.
- XII. At the present time, geological studies of the area do not indicate fault communication between the proposed injection zone and any underground potential sources of drinking water.
- XIII. Proof of publication is attached. The Bureau of Land Management owns the surface land where the Juniper SWD #4 will be drilled. Dugan Production Corp. and Coleman Oil & Gas, Inc. own the lease holder interests within the one-half mile of the well.
- XIV. Certification is signed.

Coleman Oil & Gas, Inc.
Juniper SWD #4

List of Attachments

Plat Map with ½ mile Area of Review	Attachment #1
Offset wells	Attachment #2
Offset Wells Wellbore Diagrams and Information	Attachment #3
Juniper SWD #4 Facility Diagram	Attachment #4
Sample Fruitland Coal Water Analysis	Attachment #5
Offset Logs (Monument #1)	Attachment #6
Juniper SWD #4 Logs, Sundry and Formation Tops	Attachment #7
Notice to the Surface Owners (1/2 Mile Area of Review - BLM)	Attachment #8
Public Notice (Farmington Daily Times)	Attachment #9

ATTACHMENT #1

ATTACHMENT #7

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well
☐ Oil Well ☐ Gas Well ☒ Other

2. Name of Operator Coleman Oil & Gas, Inc.

3a. Address
P.O. Drawer 3337

3b. Phone No. (include area code)
505-327-0356

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

660' FSL, 2015' FWL N, Section 17, T24N, R10W Latitude 36° 18' 28", Longitude 107° 55' 13"

5. Lease Serial No.

NM NM - 101058

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.

Juniper SWD #4

9. API Well No.

30-045-32783

10. Field and Pool, or Exploratory Area

SWD; Blanco Mesa Verde

11. County or Parish, State

San Juan, New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
<input type="checkbox"/> Notice of Intent	<input type="checkbox"/> Acidize	<input type="checkbox"/> Deepen	<input type="checkbox"/> Production (Start/Resume)	<input type="checkbox"/> Water Shut-Off
<input checked="" type="checkbox"/> Subsequent Report	<input type="checkbox"/> Alter Casing	<input type="checkbox"/> Fracture Treat	<input type="checkbox"/> Reclamation	<input type="checkbox"/> Well Integrity
<input type="checkbox"/> Final Abandonment Notice	<input type="checkbox"/> Casing Repair	<input type="checkbox"/> New Construction	<input type="checkbox"/> Recomplete	<input type="checkbox"/> Other
	<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Temporarily Abandon	
	<input type="checkbox"/> Convert to Injection	<input type="checkbox"/> Plug Back	<input type="checkbox"/> Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recomplate horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recomplate in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

SPUD WELL JULY 4, 2004 @ 7:30 PM. DRILLED 12 1/4" HOLE TO 246 FT. KB. RAN 5 JTS OF 8 5/8" 24# J-55 ST&C NEW CASING. RAN A TOTAL FOOTAGE OF 222.36 FT. AND LANDED @ 235.36 FT. KB. CEMENTED W/ 185 SACKS CLASS B W/2% CALCIUM CHLORIDE AND 1/4# PER SACK CELLOFLAKE. CIRCULATED 8 BARRELS OF CEMENT TO RESERVE PIT. NIPPLED UP BOP AND MANIFOLD. PRESSURE TESTED BOP, MANIFOLD AND CASING TO 750 PSIG. DRILLED 7 7/8" HOLE TO 3939 FT. KB. TD WELL @ 3939 FT. KB @ 11:00 AM ON JULY 7, 2004. RAN A TOTAL OF 89 JTS 5 1/2" 15.50#/FT LT&C J-55. LANDED CASING @ 3939 FT. KB. STAGE COLLAR AT 1571 FT. KB. CEMENTED FIRST STAGE W/ 272 SACKS CLASS G W 3% D79 AND 1/4# PER SACK D29. TAILED W/ 100 SACKS CLASS G 50/50 POZ W/ 2% GEL D20, 5# PER SACK D24 GILSONITE, .1% D46, 1% S-1 AND 1/4# PER SACK D29. CIRCULATED 20 BARRELS OF CEMENT TO SURFACE. CIRCULATED 4 HOURS BETWEEN STAGES. CEMENTED SECOND STAGE W/ 175 SACKS CLASS G W 3% D79 AND 1/4# PER SACK D29. TAILED W/ 50 SACKS CLASS G 50/50 POZ W/ 2% GEL D20, 5# PER SACK D24 GILSONITE, .1% D46, 1% S-1 AND 1/4# PER SACK D29. CIRCULATED 20 BARRELS OF CEMENT TO SURFACE.

OPEN HOLE LOGS: SCHLUMBERGER AIT-SP, TLD-CNL, GR-HCAL.

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

MICHAEL T. HANSON

Title OPERATIONS ENGINEER

Signature

Date

7/18/05

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

ACCEPTED FOR RECORD

Approved by

Title

Date JUL 21 2005

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

FARMINGTON FIELD OFFICE
BY *JB*

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

OPERATOR



COLEMAN OIL & GAS, INC.

Date: July 13, 2005

To: Mike Hanson

Re: Juniper SWD #4 Log Tops

Based on wireline logs, the formation tops for the **Juniper SWD #4** are as follows:

Formation	Surface
-----------	---------

Ojo Alamo	387'
-----------	------

Kirtland	503'
----------	------

Fruitland	791'
-----------	------

Pictured Cliffs	1213'
-----------------	-------

Lewis Shale	1406'
-------------	-------

Cliff House	1590'
-------------	-------

La Ventana Tounge	1976'
-------------------	-------

Menefee	2669'
---------	-------

Point Lookout	3673'
---------------	-------

Fresh?

Fresh?

Should you need additional information please contact me.

Sincerely,

Alan P. Emmendorfer



COLEMAN OIL & GAS, INC.

Date: August 8, 2005

To: Mike Hanson

Re: Juniper SWD #4 Recommended Perforations

Based on wireline logs, the recommended zones for perforations for the **Juniper SWD #4** are as follows:

2815'-2821', 2833'-2850', 3086'-3101',
3124'-3133', 3165'-3187', 3260'-3269',
3303'-3317', 3395'-3418', 3455'-3463',
3471'-3482', 3606'-3622', 3677'-3686',
3692'-3744', 3755'-3765'.

These zones are located in the Point Lookout and Menefee intervals of the well only. The top zone is situated approximately 150' below the top of the Menefee. This 150' and the two coals occurring at the top of the Menefee should provided an effective barrier to the overlying Cliff House.

Should you need additional information please contact me.

Sincerely,

Alan P. Emmendorfer



ATTACHMENT #2

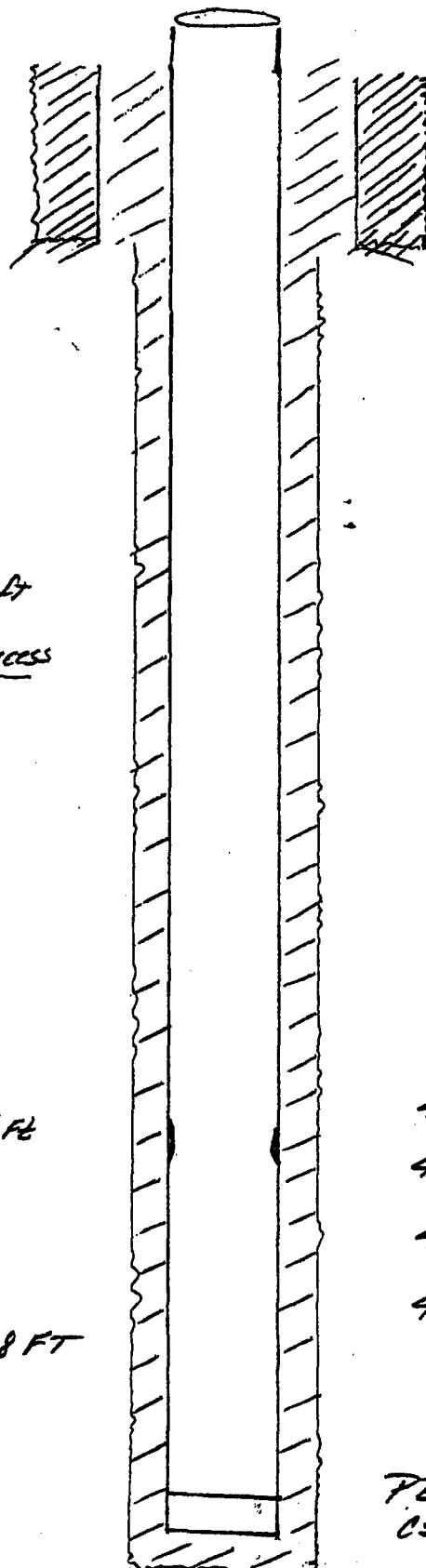
ATTACHMENT #3

22-141 50 SHEETS
22-142 100 SHEETS
22-143 200 SHEETS

CANADIAN

Target #1
DUGAN PROD. Corp.
1980' FNL 1980' FNL
SEC 20, T24N, R10W

6617 CL



12 1/4" Hole
8 5/8" Csg STAC
Circulate Cement
159 SXS

7 7/8" Hole
4 1/2 10.50 STAC

STAGE Collar @ 3861

STAGE #2
750 SXS 1718 ft³

STAGE #1
250 SXS 305 ft³

PERFORATIONS
4754 - 4777
4790 - 4794
4810 - 4812
4820 - 4829

PBTD @ 4896
Csg @ 4935
TD @ 4930

STAGE #2
$$\frac{1718 \text{ ft}^3}{.2278 \text{ ft}^3/\text{LNF}} = 7541 \text{ ft}$$

*** 100% EXCESS

STAGE Collar @ 3861 ft

STAGE #1
$$\frac{305 \text{ ft}^3}{.2278 \text{ ft}^3/\text{LNF}} = 1338 \text{ FT}$$

* 25% EXCESS

5 BLM 1 File 1 Ned Tillman

Form 3160-5
(June 1990)

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

RECEIVED
MAIL ROOM

MAY 20 AM 11:23

FORM APPROVED
Budget Bureau No. 1004-0135
Expires: March 31, 1993

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to deepen or reentry to a different reservoir.
Use "APPLICATION FOR PERMIT—" for such proposals

SUBMIT IN TRIPLICATE

1. Type of Well

☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator

Ougan Production Corp.

3. Address and Telephone No.

P.O. Box 420, Farmington, NM 87499

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

1980' FNL & 1980' FWL F

RECEIVED

MAY 28 1991

OIL CON. DIV.
DIST. 3

5. Lease Designation and Serial No.

NM 43442

6. If Indian, Allottee or Tribe Name

7. If Unit or CA, Agreement Designation

8. Well Name and No.

Target

9. API Well No.

1

10. Field and Pool, or Exploratory Area

Undes. Gallup

11. County or Parish, State

Sec. 20, T24N, R10W, NPM

12. CHECK APPROPRIATE BOX(S) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION

- ☐ Notice of Intent
☒ Subsequent Report
☐ Final Abandonment Notice

TYPE OF ACTION

- ☐ Abandonment
☐ Recompletion
☐ Plugging Back
☐ Casing Repair
☐ Altering Casing
☐ Other T.D., casing & cement

- ☐ Change of Plans
☐ New Construction
☐ Non-Routine Fracturing
☐ Water Shut-Off
☐ Conversion to Injection
☐ Dispose Water

(Note: Report results of multiple completion on Well Completion or Recompletion Report and Log form.)

13. 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.)

T.D. 4930' reached on 5-13-91.

Ran 114 its. 4-1/2" OD, 10.5#, WC-50, ST&C casing (T.E. 4956.55') set at 4935' RKB. Cemented 1st stage by pumping 10 bbls mud flush followed by 250 sx 50-50 pos + 2 1/2 gal & 1/4# celloflake per sk (total cement slurry 1st stage = 305 cu.ft.). Good cement returns while cementing. Reciprocated casing OK while cementing. Plug failed to bump - went 3 bbls over calculated displacement and shut down - float held OK. Dropped opening bomb. Opened stage tool at 3861'. Circulated with rig pump for 2-1/2 hrs. Cemented 2nd stage by pumping 10 bbls mud flush followed by 750 sx 65-35 + 12 1/2 gal and 1/4# celloflake per sack followed by 50 sx 50-50 pos + 2 1/2 gal and 1/4# celloflake/sk (total cement slurry = 1718 cu.ft.). Total cement slurry both stages = 2023 cu.ft. Closed stage tool with 2000 psi - had cement to surface approx. 3 bbls. Nipped down BOP. Set 4-1/2" slips, cut off casing and released rig @ 5:00 A.M. 5-13-91.

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

Signed

(This space for Federal or State office use)

Approved by

Conditions of approval, if any:

Title

Geologist

Title

WOOD

Date

5-17-91

Date

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See instruction on Reverse Side

Form 3160-4
(November 1983)
(formerly 9-330)UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

(See other In-

structions on

Form 3160-4

BLM DENOMINATION AND SERIAL NO.

BLM NM 43442

6. IF INDIAN, ALLIANCE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME

9. WELL NO.

10. FIELD AND POOL, OR WILDCAT

11. SEC. T. R. M., OR BLOCK AND SURVEY

OR AREA

12. COUNTY OR

PARISH

13. STATE

14. PERMIT NO.

DATE ISSUED

15. DATE SPUDDED

16. DATE T.D. REACHED

17. DATE COMPL. (Ready to prod.)

18. ELEVATIONS (DP, RKB, RT, GR, ETC.)

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

21. PLUG BACK T.D., MD & TVD

22. IF MULTIPLE COMPL.

HOW MANY*

23. INTERVALS

DRILLED BY

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*

25. WAS DIRECTIONAL

SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORED

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

29. LINER RECORD

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

33. PRODUCTION

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

35. LIST OF ATTACHMENTS

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

SIGNED

TITLE

Geologist

(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the

RECEIVED

AUG 08 1991

OIL CON. DIV.
DIST. 3

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1. TYPE OF WELL: OIL WELL ☒ GAS WELL ☐ DRY ☐ Other ☐2. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF. CENVR. ☐ Other ☐3. NAME OF OPERATOR
Dugan Production Corp.4. ADDRESS OF OPERATOR
P.O. Box 420, Farmington, NM 874995. LOCATION OF WELL (Report location clearly and in accordance with instructions on Form 3160-4)
At surface 1980' FNL & 1980' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO. API#30-045-28537

DATE ISSUED 4-19-91

15. DATE SPUDDED 5-9-91

16. DATE T.D. REACHED 5-13-91

17. DATE COMPL. (Ready to prod.) 6-27-91

18. ELEVATIONS (DP, RKB, RT, GR, ETC.) 6617' GL

19. ELEV. CASINGHEAD 6617'

20. TOTAL DEPTH, MD & TVD 4930'

21. PLUG BACK T.D., MD & TVD 4896'

22. IF MULTIPLE COMPL. HOW MANY*

23. INTERVALS DRILLED BY

ROTARY TOOLS T.D.

CABLE TOOLS

24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)*
4754' - 4829' (Gallup)25. WAS DIRECTIONAL SURVEY MADE
no26. TYPE ELECTRIC AND OTHER LOGS RUN
Induction Guard Log; Compensated Density Log; GR-CCL27. WAS WELL CORED
no

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

29. LINER RECORD

30. TUBING RECORD

31. PERFORATION RECORD (Interval, size and number)
4754, 67, 69, 71, 77 (1 JSPF), 4790, 91, 92, 93, 94 (2 JSPF), 4810, 11, 12 (1 JSPF), 4820, 21, 22, 23, 24, 25 (2 JSPF), 4826, 27 (1 JSPF), 4828 (2 JSPF), 4829 (1 JSPF). Total of 35 holes.

32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.

33. PRODUCTION

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

ACCEPTED FOR RECORD
JUL 10 1991

No gas vented. *Water is frac fluid.

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

SIGNED

JIM L. JACOBS

TITLE

Geologist

(See Instructions and Spaces for Additional Data on Reverse Side)

38. GEOLOGIC MARKERS

37. 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):

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	1	
					MEAS.	DEPTH
				Ojo Alamo		320'
				Kirtland		465'
				Fruitland		897'
				Pictured Cliffs		1200'
				Lewis		1345'
				Chacra		1526'
				Cliff House		1932'
				Menefee		2100'
				Lower Cliff House		2273'
				Lower Menefee		2472'
				Point Lookout		3615'
				Mancos		3820'
				Gallup		4460'

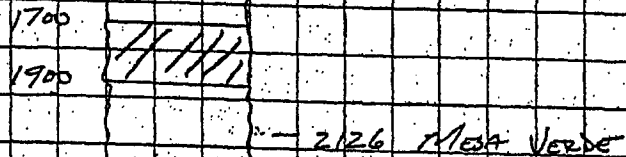
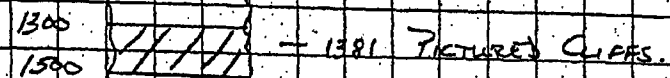
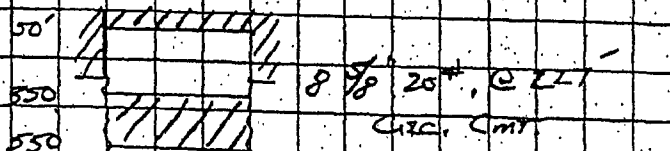
MONUMENT #1

LYNCO OIL CORPORATION

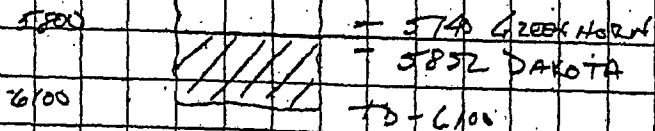
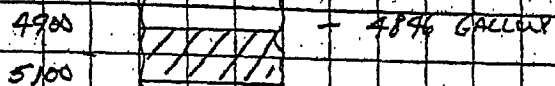
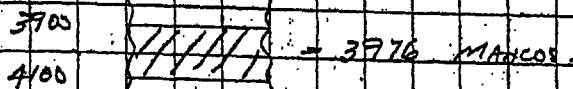
1450	FNL	&	790	FEL
------	-----	---	-----	-----

SECTION 17, T24N, R10W

6764 GR



HOLE SIZE $7 \frac{7}{8}$



UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUBMIT IN DUPLICATE

Other instructions on reverse side

Form approved,
Budget Bureau No. 42-R5555.

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL <input type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input checked="" type="checkbox"/> Other _____		5. LEASE DESIGNATION AND SERIAL NO. SF 079046	
b. TYPE OF COMPLETION: NEW WELL <input type="checkbox"/> WORK OVER <input type="checkbox"/> DEEP-EN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME	
2. NAME OF OPERATOR Lynco Oil Corporation		7. UNIT AGREEMENT NAME	
3. ADDRESS OF OPERATOR 7890 E. Prentice Ave. Englewood, Colorado 80110		8. FARM OR LEASE NAME Monument	
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 1650' FNL and 990' FEL At top prod. interval reported below At total depth SAME		9. WELL NO. #1	
14. PERMIT NO.		10. FIELD AND POOL, OR WILDCAT Wildcat	
DATE ISSUED 11-2-1975		11. SEC., T., R., M., OR BLOCK AND SURVEY OR AREA Sec. 17 T24N R10W	
15. DATE SPUDDED 11-1-75		12. COUNTY OR PARISH San Juan	
16. DATE T.D. REACHED 11-15-75		13. STATE New Mexico	
17. DATE COMPL. (Ready to prod.) 11-16-75		18. ELEVATIONS (DF, REE, RT, OR, ETC.)* 6764 GR	
19. ELEV. CASINGHEAD		20. TOTAL DEPTH, MD & TVD 6100 MD	
21. PLUG, BACK T.D., MD & TVD		22. IF MULTIPLE COMPL., HOW MANY*	
23. INTERVALS DRILLED BY		ROTARY TOOLS 0-6100	
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* NONE		CABLE TOOLS NONE	
25. TYPE ELECTRIC AND OTHER LOGS RUN Induction - Density Logs		26. WAS DIRECTIONAL SURVEY MADE No	
27. TYPE ELECTRIC AND OTHER LOGS RUN Induction - Density Logs		28. WAS WELL CORED No	
29. CASING RECORD (Report all strings set in well)			
CASING SIZE 8 5/8"	WEIGHT, LB./FT. 20.00	DEPTH SET (MD) 227'	HOLE SIZE 12 1/4
CEMENTING RECORD Circulated		AMOUNT PULLED NONE	
30. LINER RECORD			
SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT*
SCREEN (MD)			
31. PERFORATION RECORD (Interval, size and number)			
32. ACID, SHOT, FRACTURE, GRUNT SQUEEZE, ETC.			
DEPTH INTERVAL (MD)			
AMOUNT OF MATERIAL USED			
33. PRODUCTION			
DATE FIRST PRODUCTION		PRODUCTION METHOD (Flowing, gas lift, pumping—size and type of pump)	
DATE OF TEST		HOURS TESTED	
CHOKE SIZE		PROD'N. FOR TEST PERIOD	
OIL—BSL.		GAS—MCF.	
WATER—BSL.		GAS-OIL RATIO	
FLOW, TUBING PRESS.		CASINO PRESSURE	
CALCULATED 24-HOUR RATE		OIL—BSL.	
GAS—MCF.		WATER—BSL.	
OIL GRAVITY API (CORR.)		TEST WITNESSED BY	
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)			
35. LIST OF ATTACHMENTS			
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records			
SIGNED E. L. FUNDINGSLAND, JR.		TITLE Vice President	
DATE DEC 2 1975		DATE DEC 2 1975	

INSTRUCTIONS

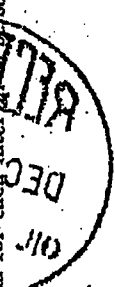
General: This form is designed for submitting a complete and correct well completion report and log on all types of lands and leases to either a Federal agency or a State agency, or both, pursuant to applicable Federal and/or State laws and regulations. Any necessary special instructions concerning the 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 DRILL-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	TOP	TRUE VERT. DEPTH
Pictured Cliffs Mesaverde Dakota	1381	1480	Sand & Shale - Water	Pictured Cliffs	1381		
	2126	3976	Sand & Shale - Water	Mesaverde	2126		
	5852	6100	Sand & Shale - Tite Water	Mancos	3976		
			DST 5936-5965	Gallup	4846		
			TFP 15"/40 weak blow	Greenhorn	5740		
			TSI 30"/2380	Dakota	5852		
			FPF 30"/79 No blow	TD	6100		
			FSI 30"/2169				
			REC 80' Mud				
Plugged and abandoned with plugs set at:							
			5800-6100 62 sxs 1700-1900 62 sxs				
			4900-5100 62 sxs 1300-1500 62 sxs				
			3900-4100 62 sxs 350-550 62 sxs				
			Surface Plugs 10 sxs 5-50' 18 sxs				

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, 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 or State office. See instructions on items 22 and 24, and 33, below regarding separate reports for separate completions.

Item 1: 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 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 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 21 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.)

27. 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				GEOLOGIC MARKERS		
FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	MEAS. DEPTH	TRUE VERT. DEPTH
Pictured Cliffs Mesaverde Dakota	1381	1480	Sand & Shale - Water	Pictured Cliffs	1381	
	2126	3976	Sand & Shale - Water	Mesaverde	2126	
	5852	6100	Sand & Shale - Rifle Water DST 5936-5965 IFP 15"/40 weak blow ISI 30"/2380 YFP 30"/79 No blow PSI 30"/2169 REC 80' Mud	Mancos Gallup Greenhorn Dakota TD	3976 4846 5740 5852 6100	
Plugged and abandoned with plugs set at:			5800-6100 w/62 SXs 4900-5100 w/62 SXs 3900-4100 w/62 SXs Surface Plugs w/10 SXs 5-50' w/18 SXs			

agreed on by
Monument #1
H-17-24N-10W
Report.

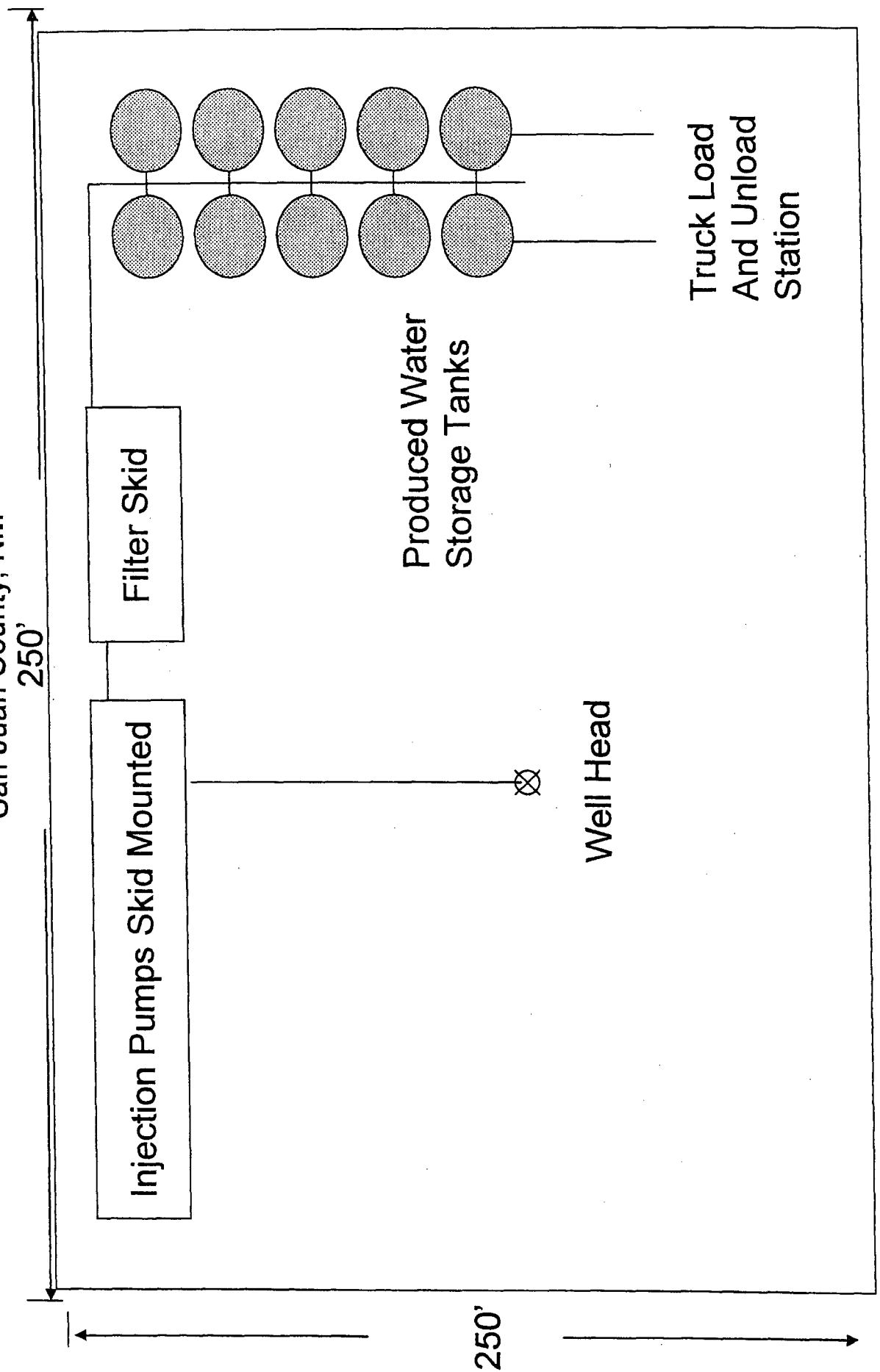
ATTACHMENT #4

Coleman Oil & Gas, Inc.

Juniper SWD #4

660' FSL & 2015' FWL Section 17, T24N, R10W, NMPM

San Juan County, NM



UNITED STATES

DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT
APPLICATION FOR PERMIT TO DRILL OR REENTER

2004 DEC 27 07 12 12


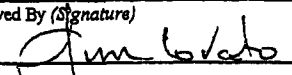
FORM APPROVED
OMB NO. 1004-0136
Expires: November 30, 2000

1a. TYPE OF WORK <input checked="" type="checkbox"/> DRILL <input type="checkbox"/> REENTER		5. Lease Serial No. NM NM-101058
b. TYPE OF WELL <input type="checkbox"/> OIL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/> SINGLE ZONE <input type="checkbox"/> MULTIPLE ZONE		6. If Indian, Allottee or Tribe Name
2. Name of Operator Coleman Oil & Gas, Inc.		7. If Unit or CA Agreement, Name and No.
3a. Address P.O. Drawer 3337, Farmington N.M. 87499		8. Lease Name and Well No. Juniper SWD #4
3b. Phone No. (include area code) (505) 327-0356		9. API Well No. 3004532783
4. Location of well (Report location clearly and in accordance with any State requirements. *) At surface 660' FSL, 2015' FWL Latitude 36° 18' 28", Longitude 107° 55' 13" At proposed prod. zone		10. Field and Pool, or Exploratory SWD; Blanco Mesa Verde
14. DISTANCE IN MILES AND DIRECTION FROM NEAREST TOWN OR POST OFFICE* South East of Farmington New Mexico on County RD. 7515 approximately 40 miles.		11. Sec., T., R., M., or Blk. And Survey or Area N Section 17, T24N, R10W
15. Distance from proposed* location to nearest property or lease line, ft. (Also to nearest drig unit line, if any) 660'	16. No. of Acres in lease 640	17. Spacing Unit dedicated to this well 320 ACRES W/2
18. Distance from proposed location* to nearest well, drilling, completed, applied for, on this lease, ft. 240'	19. Proposed Depth 3940'	20. BLM/ BIA Bond No. on file BLM Blanket Bond #08510612
21. ELEVATIONS (Show whether DF, RT, GR, etc.) 6650	22. Approximate date work will start* February-05	23. Estimated Duration 2 Weeks

24. Attachments

The following, completed in accordance with the requirements of Onshore Oil and Gas Order No. 1 shall be attached to this form:

- | | |
|---|---|
| 1. Well plat certified by a registered surveyor. | 4. Bond to cover the operations unless covered by existing bond on file (see item 20 above). |
| 2. A Drilling Plan. | 5. Operator certification. |
| 3. A Surface Use Plan (if the location is on National Forest System Lands, the SUPO shall be filed with the appropriate Forest Service Office). | 6. Such other site specific information and/ or plans as may be required by the authorized officer. |

25. Signature 	Name (Printed/ Typed) Michael T. Hanson	DATE 23-Dec-04
Title Operations Engineer		
Approved By (Signature) 	Name (Printed/ Typed)	DATE 3/11/05
Title Adam Field Manager - Muro		
Office		
Application approval does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.		
Conditions of approval, if any, are attached.		

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

*See Instructions On Reverse Side

This action is subject to technical and procedural review pursuant to 43 CFR 3165.3 and appeal pursuant to 43 CFR 3165.4

DRILLING OPERATIONS AUTHORIZED ARE
SUBJECT TO COMPLIANCE WITH ATTACHED
"GENERAL REQUIREMENTS".

OPERATOR

District I
PO Box 1980, Hobbs, NM 88241-1980

District II
PO Drawer DD, Artesia, NM 88211-0719

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

District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION

PO Box 2088
Santa Fe, NM 87504-2088

Form C-102
Revised February 21, 1994
Instructions on back
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

*API Number		*Pool Code 72319	*Pool Name BLANCO MESAVERDE
*Property Code	*Property Name JUNIPER SWD		*Well Number 4
*OGRID No. 4838	*Operator Name COLEMAN OIL & GAS, INC.		*Elevation 6650'


¹⁰ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
N	17	24N	10W		660	SOUTH	2015	WEST	SAN JUAN

¹¹ Bottom Hole Location If Different From Surface

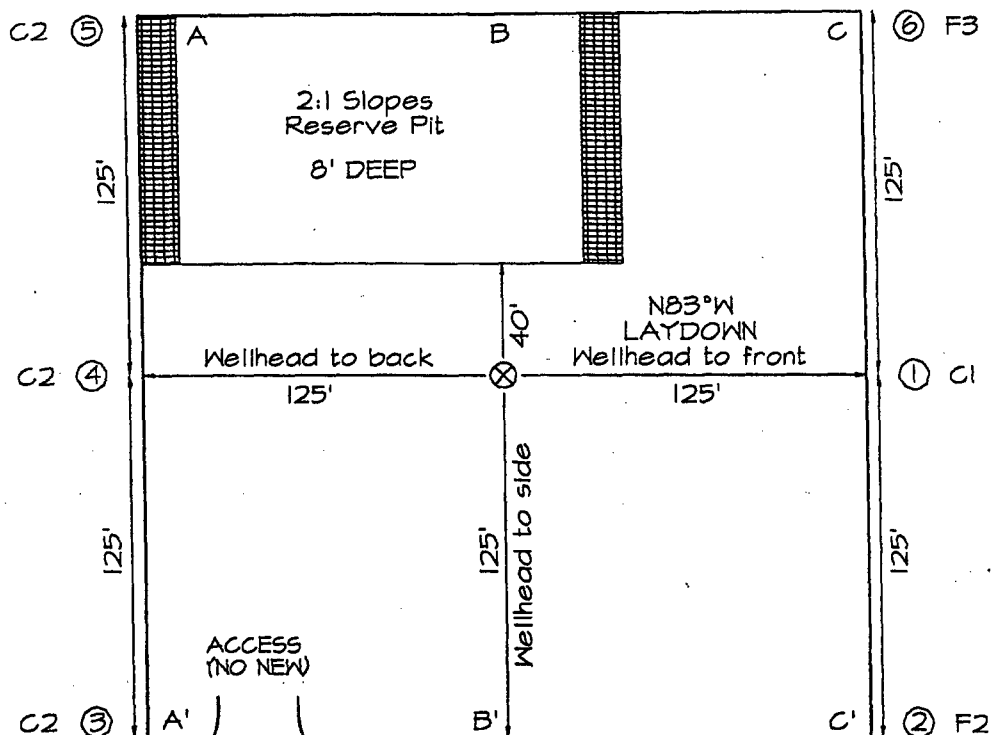
UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
¹² Dedicated Acres 320.0 Acres - (W/2)					¹³ Joint or Infill		¹⁴ Consolidation Code		¹⁵ Order No.

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

¹⁶ 2651.88' 2632.74' 2626.14' 2015' 2676.30' 660' 660'	LEASE NM-101058	17	2616.24' 5397.48' 2627.46'	¹⁷ OPERATOR CERTIFICATION I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief <u>Michael T. Hanson</u> Signature <u>Michael T. Hanson</u> Printed Name <u>Engineer</u> Title <u>12/7/04</u> Date
				¹⁸ SURVEYOR CERTIFICATION I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief. Date of Survey: MAY 20, 2004 Signature and Seal of Professional Surveyor  <u>JASON C. EDWARDS</u> Certificate Number 15269

LATITUDE: 36°18'28"
LONGITUDE: 107°55'13"
DATUM: NAD1927

DATUM: NAD1927



COLEMAN JUNIPER 17 #14 PRELIMINARY PIPELINE SURVEY

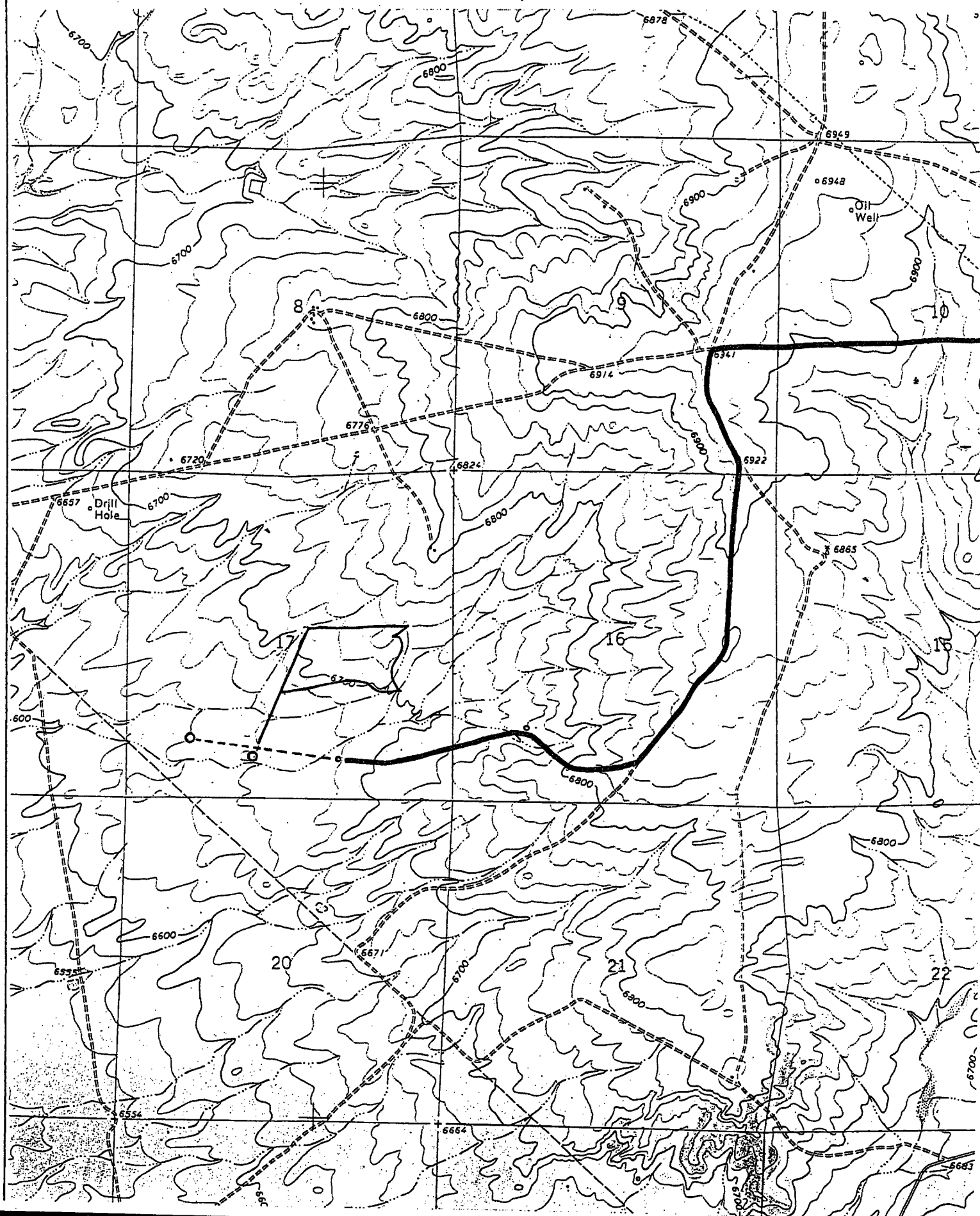
A-A'						
6660'						
6650'						
6640'						

B-B'						
6660'						
6650'						
6640'						

C-C'							
6660'							
6650'							
6640'							

Note: Contractor should call One-Call for location of any marked or unmarked buried pipelines or cables on well pad and/or access road at least two (2) working days prior to construction

COLEMAN OIL & GAS INC. JUNIPER SWD #4
660' FSL & 2015' FWL, SECTION 17, T24N, R10W, N.M.P.M.
SAN JUAN COUNTY, NEW MEXICO



ATTACHMENT #5

OFF: (505) 325-5667
FAX: (505) 327-1496



LAB: (505) 325-1556
FAX: (505) 327-1496

ANALYTICAL REPORT

Date: 14-Jul-00

Client:	Coleman Oil and Gas Company	Client Sample Info:	Coleman Oil & Gas
Work Order:	0006052	Client Sample ID:	Juniper #1
Lab ID:	0006052-01A	Matrix:	AQUEOUS
Project:	Juniper #1	Collection Date:	6/21/2000 5:00:00 PM
		COC Record:	10748

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
CALCIUM, DISSOLVED	E215.1					Analyst: HR
Calcium	120	25		mg/L	100	7/10/2000
IRON, DISSOLVED	E236.1					Analyst: HR
Iron	0.17	0.1		mg/L	1	7/11/2000
POTASSIUM, DISSOLVED	E258.1					Analyst: HR
Potassium	43	5		mg/L	20	6/30/2000
MAGNESIUM, DISSOLVED	E242.1					Analyst: HR
Magnesium	30	2.5		mg/L	10	7/10/2000
SODIUM, DISSOLVED	E273.1					Analyst: HR
Sodium	4880	1000		mg/L	4000	6/30/2000
ALKALINITY, TOTAL	M2320 B					Analyst: HR
Alkalinity, Bicarbonate (As CaCO ₃)	500	5		mg/L CaCO ₃	1	6/29/2000
Alkalinity, Carbonate (As CaCO ₃)	ND	5		mg/L CaCO ₃	1	6/29/2000
Alkalinity, Hydroxide	ND	5		mg/L CaCO ₃	1	6/29/2000
Alkalinity, Total (As CaCO ₃)	500	5		mg/L CaCO ₃	1	6/29/2000
CHLORIDE	E325.3					Analyst: HR
Chloride	7550	1		mg/L	1	6/29/2000
HARDNESS, TOTAL	M2340 B					Analyst: HR
Hardness (As CaCO ₃)	430	1		mg/L	1	6/27/2000
PH	E150.1					Analyst: HR
pH	7.44	2		pH units	1	6/22/2000
RESISTIVITY (@ 25 DEG. C)	M2510 C					Analyst: HR
Resistivity	0.427	0.001		ohm-m	1	6/27/2000
SPECIFIC GRAVITY	M2710 F					Analyst: HR
Specific Gravity	1.009	0.001		Units	1	6/28/2000
SULFATE	M4500-SO4 D					Analyst: HR
Sulfate	5.1	5		mg/L	1	6/29/2000
TOTAL DISSOLVED SOLIDS	E160.1					Analyst: HR
Total Dissolved Solids (Residue, Filterable)	13900	40		mg/L	1	6/27/2000
TOTAL DISSOLVED SOLIDS	CALC					Analyst: HR
Total Dissolved Solids (Calculated)	12900	40		mg/L	1	7/11/2000

Qualifiers: PQL - Practical Quantitation Limit
ND - Not Detected at Practical Quantitation Limit
J - Analyte detected below Practical Quantitation Limit
B - Analyte detected in the associated Method Blank

S - Spike Recovery outside accepted recovery limits
R - RPD outside accepted recovery limits
E - Value above quantitation range
Surr: - Surrogate

ATTACHMENT #6



Analysis: 37661

Water Analysis Report from Baker Petrolite

Mixes at 100°F and 0 psi

Predictions of Carbon Dioxide Pressure, Saturation Index and Amount of Scale in lb/1000bbl												
Mix Waters		CO ₂	Calcite CaCO ₃		Gypsum CaSO ₄ ·2H ₂ O		Anhydrite CaSO ₄		Celestite SrSO ₄		Barite BaSO ₄	
329334	329333	psi	Index	Amount	Index	Amount	Index	Amount	Index	Amount	Index	Amount
100%	0%	0.00	-4.65		-0.09		-0.04		-0.03		-0.01	
90%	10%	0.00	-1.09		-0.11		-0.06		-0.03		-0.03	
80%	20%	0.01	-0.71		-0.13		-0.08		-0.03		-0.05	
70%	30%	0.01	-0.49		-0.15		-0.10		-0.04		-0.07	
60%	40%	0.01	-0.34		-0.17		-0.12		-0.05		-0.09	
50%	50%	0.02	-0.23		-0.19		-0.14		-0.06		-0.12	
40%	60%	0.02	-0.13		-0.22		-0.16		-0.07		-0.14	
30%	70%	0.02	-0.06		-0.24		-0.19		-0.08		-0.17	
20%	80%	0.02	0.01	0.04	-0.27		-0.22		-0.09		-0.20	
10%	90%	0.03	0.07	0.23	-0.30		-0.24		-0.11		-0.23	
0%	100%	0.03	0.13	0.44	-0.33		-0.28		-0.13		-0.26	

Note 1: The amount of scale indicates the severity of the problem. The saturation index (SI) indicates how difficult it is to control the problem.

Note 2: Precipitation of each scale is considered separately. Total scale will be less than the sum of the amounts of the five scales.

Note 3: The reported CO₂ pressure is the calculated CO₂ fugacity. It is usually nearly the same as the CO₂ partial pressure.

ATTACHMENT #8

P.O. DRAWER 3337
FARMINGTON, NM 87499

OFFICE: 505-327-0356
FAX: 505-327-9425



COLEMAN OIL & GAS, INC.

Bryan Lewis
e-mail: cogblewis@yahoo.com

CERTIFIED RETURN RECEIPT REQUESTED
7003 3110 0005 8977 5002

Thursday, August 18, 2005

Bureau of Land Management
1235 La Plata Highway, Suite A
Farmington, NM 87401

**RE: Notice of Intent to Inject
Juniper SWD #4 Well
660 FSL 2015 FWL
Section 17-T24N-R10W
San Juan County, New Mexico**

Please be advised that Coleman Oil & Gas, Inc. is applying for a permit to dispose of produced water from the Fruitland formation into the Mesa Verde formation in the proposed Juniper SWD # 4 well to be located in Section 16, Unit D, Township 24 North, Range 10 West located 660 FSL and 2015 FWL.

There are two injection zones of interest in the Mesa Verde formation. The primary zone is the Point Lookout interval located from 3677 – 3765 feet with injection pressures anticipated to be between 732 – 1464 psig. The secondary zone is the Menefee interval between 2815 – 3622 feet with injection pressures anticipated to be 563 – 1405 psig. Coleman plans to dispose of approximately 2000 BWPD with a maximum of 4000 BWPD.

Pursuant to NMOCD regulations, this letter is intended to serve as notice of the application and to inform you of your rights to object and file for a hearing with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico, 87504 within 15 days of receipt of this letter.

Bureau Of Land Management
Thursday, August 18, 2005
Page 2

If you have questions of a technical nature please speak with Mike Hanson at the letterhead phone number. Land questions can be directed to me.

Sincerely,

A handwritten signature in black ink that reads "Bryan Lewis". The signature is written in a cursive, flowing style.

Bryan Lewis
Landman

cc:

EOG Resources, Inc.

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT
OF THE RETURN ADDRESS. FOLD AT DOTTED LINE.

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Sent to **BUREAU OF LAND MGMT**
 Street, Apt. No. or PO Box **1235 LA PLATA HWY, STE A**
 City, State, ZIP **FARMINGTON NM 87401**

PS Form 3800, June 2002 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:

*Bureau Of Land
Management
1235 La Plata Hwy, Ste A
Farmington NM 87401*

COMPLETE THIS SECTION ON DELIVERY

A. Signature

X

☐ Agent

☐ Addressee

B. Received by (Printed Name)

C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
If YES, enter delivery address below: ☐ No

3. Service Type

☒ Certified Mail

☐ Express Mail

☐ Registered

☒ Return Receipt for Merchandise

☐ Insured Mail

☐ C.O.D.

4. Restricted Delivery? (Extra Fee)

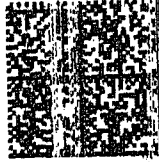
☐ Yes

2. **7003 3110 0005 8977 5002**



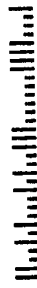
COLEMAN OIL & GAS, INC.
P.O. DRAWER 3337
FARMINGTON, NM 87499

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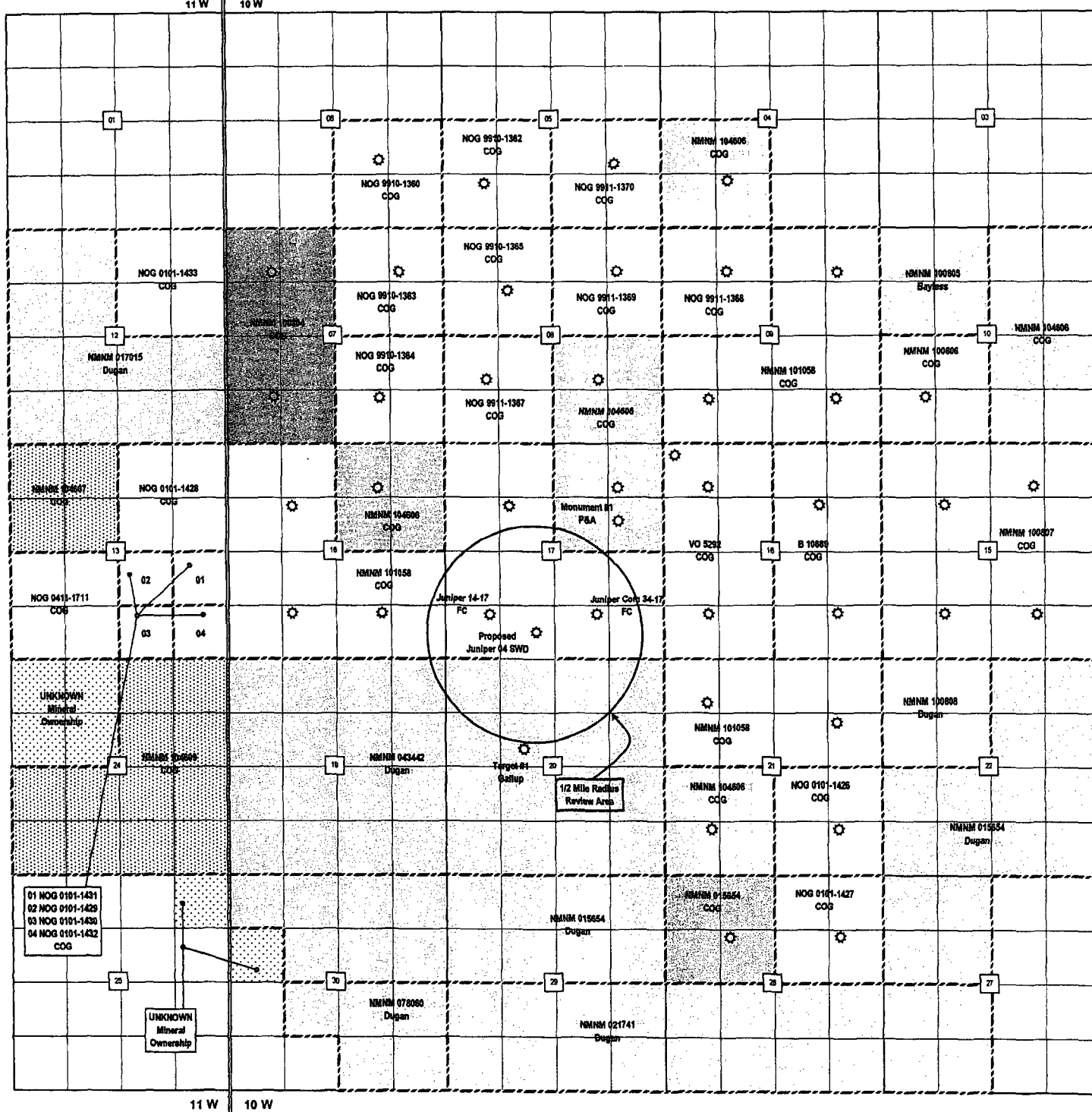


UNITED STATES POSTAGE
02 1P
\$04.420
0002336407 AUG 18 2005
MAILED FROM ZIP CODE 87401

7003 3110 0005 8747 5002



Bureau of Land Management
1235 La Plata Highway, Suite A
Farmington, NM 87401





COLEMAN OIL & GAS, INC.

Bryan Lewis
e-mail: cogblewis@yahoo.com

CERTIFIED RETURN RECEIPT REQUESTED
7003 3110 0005 8977 4999

Thursday, August 18, 2005

Dugan Production Corporation
Post Office Box 420
Farmington, NM 87499

**RE: Notice of Intent to Inject
Juniper SWD #4 Well
660 FSL 2015 FWL
Section 17-T24N-R10W
San Juan County, New Mexico**

Please be advised that Coleman Oil & Gas, Inc. is applying for a permit to dispose of produced water from the Fruitland formation into the Mesa Verde formation in the proposed Juniper SWD # 4 well to be located in Section 16, Unit D, Township 24 North, Range 10 West located 660 FSL and 2015 FWL.

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Pursuant to NMOCD regulations, this letter is intended to serve as notice of the application and to inform you of your rights to object and file for a hearing with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico, 87504 within 15 days of receipt of this letter.

«Name»

Thursday, August 18, 2005

Page 2

If you have questions of a technical nature please speak with Mike Hanson at the letterhead phone number. Land questions can be directed to me.

Sincerely,

A handwritten signature in black ink that reads "Bryan Lewis". The signature is written in a cursive style with a large, looping "B" and a stylized "L".

Bryan Lewis
Landman

cc:

EOG Resources, Inc.

PLACE STICKER AT TOP OF ENVELOPE TO THE RIGHT OF THE RETURN ADDRESS. FOLD AT DOTTED LINE.

CERTIFIED MAIL

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Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$

Postmark
Here

Sent To Dugan Production Corporation
 Street, Apt. No. Post Office Box 420
 or PO Box
 City, State, ZIP+4 Farmington NM 87499

PS Form 3800, June 2002 See Reverse for Instructions

SENDER: COMPLETE THIS SECTION

- Complete items 1, 2, and 3. Also complete item 4 if Restricted Delivery is desired.
- Print your name and address on the reverse so that we can return the card to you.
- Attach this card to the back of the mailpiece, or on the front if space permits.

1. Article Addressed to:
Dugan Production Corporation
PO Box 420
Farmington NM 87499

COMPLETE THIS SECTION ON DELIVERY

A. Signature ☐ Agent
☐ Addressee
X

B. Received by (Printed Name) C. Date of Delivery

D. Is delivery address different from item 1? ☐ Yes
 If YES, enter delivery address below: ☐ No

3. Service Type
☒ Certified Mail ☐ Express Mail
☐ Registered ☒ Return Receipt for Merchandise
☐ Insured Mail ☐ C.O.D.

4. Restricted Delivery? (Extra Fee) ☐ Yes

2. 7003 3110 0005 8977 4999



COLEMAN OIL & GAS, INC.
P.O. DRAWER 3337
FARMINGTON, NM 87499

CERTIFIED MAIL™



02 1P \$04.420
0002336407 AUG 18 2005
MAILED FROM ZIP CODE 87401

7003 3110 0005 8977 4999

|||||
Dugan Production Corporation
Post Office Box 420
Farmington, NM 87499

New Mexico



ATTACHMENT #9



COLEMAN OIL & GAS, INC.

August 19, 2005

Denise Henson
Legal Notices – Classified
Farmington Daily Times
P.O. Box 450
Farmington, NM 87499

FAX: (505) 564-4567

RE: REVISED LEGAL NOTICE

Dear Denise:

As per our telephone conversation, please use the attached REVISED Legal Notice to be placed in the Daily Times. We mailed the original entry this morning; but recognized that we needed some revisions.

As per our original instructions, please send Coleman Oil & Gas, Inc. a certified copy of this notice as it appears in the newspaper. The invoice billing address for Coleman Oil & Gas, Inc. is as follows:

**COLEMAN OIL & GAS, INC.
P.O. DRAWER 3337
FARMINGTON, NM 87499**

Thank you for your assistance in making this revision. Please let us know if you have any questions. Thank you.

Sincerely,

COLEMAN OIL & GAS, INC.

Robbie Allen, C.P.A.
Assistant to Michael T. Hanson, Engineer

enc/ra

xc: Well file

FAXED By: RA
Date: 8/19/05

COLEMAN OIL & GAS, INC.

LEGAL NOTICE

Coleman Oil & Gas, Inc. proposes to drill and complete the Juniper SWD#4 to be used for a water disposal well. The well will be located in Section 17, Township 24N, Range 10W. Produced Fruitland Coal water is to be disposed into the Mesa Verde formation at a maximum rate of 4000 bwpd at 1500 psig.

Questions concerning this proposal may be sent to Michael T. Hanson, Coleman Oil & Gas, Inc., P.O. Drawer 3337, Farmington, NM 87499, (505) 327-0356.

Interested parties have fifteen (15) days from the date of this notice to file comments, objections or requests for a hearing with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, NM 87505.

AFFIDAVIT OF PUBLICATION

Ad No. 52158

STATE OF NEW MEXICO County of San Juan:

CONNIE PRUITT, being duly sworn says:
That she is the ADVERTISING MANAGER of
THE DAILY TIMES, a daily newspaper of
general circulation published in English at
Farmington, said county and state, and that
the hereto attached Legal Notice was
published in a regular and entire issue of the
said DAILY TIMES, a daily newspaper duly
qualified for the purpose within the meaning of
Chapter 167 of the 1937 Session Laws of the
State of New Mexico for publication and
appeared in the Internet at The Daily Times
web site on the following day(s):

Thursday, August 25, 2005.

And the cost of the publication is \$32.10.

Connie Pruitt

ON 8/26/05 CONNIE PRUITT
appeared before me, whom I know personally
to be the person who signed the above
document.

Wynell Corey
My Commission Expires November 17, 2008.

COPY OF PUBLICATION

918 Legals

COLEMAN OIL & GAS, INC.

LEGAL NOTICE

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Questions concerning this proposal may be sent to Michael T. Hanson, Coleman Oil & Gas, Inc., P.O. Drawer 3337, Farmington, NM 87499, (505) 327-0356.

Interested parties have fifteen (15) days from the date of this notice to file comments, objections or requests for a hearing with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, NM 87505.

Legal No. 52158 published in The Daily Times, Farmington, New Mexico on Thursday, August 25, 2005.