

DATE IN 2/13/08	SUSPENSE	ENGINEER W. Jones	LOGGED IN 2/13/08	TYPE SWD 985-A	APP NO. PKUR0804454355
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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.

Lindsay Truesdell	Regulatory Analyst	02/12/2008
Print or Type Name	Signature	Date
	lindsay_truesdell@yahoo.com	
	e-mail Address	

RECEIVED
 2008 FEB 13 PM 1 11

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage
Application qualifies for administrative approval? X Yes No
- II. OPERATOR: Rice Operating Company
ADDRESS: 122 West Taylor; Hobbs, New Mexico 88240
CONTACT PARTY: Scott Curtis PHONE: (505) 393-9174
- 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: Lindsay Truesdell TITLE: Reg. Analyst
SIGNATURE: Lindsay Truesdell DATE: 1/14/08
E-MAIL ADDRESS: lindsay_truesdell@yahoo.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: Logs Sent in June 1979

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.

Attachments to Application C-108

Lease: State E Tract 27
Well Number: 1
API #30-025-26317
430' FSL & 1980' FWL
Unit N, Section 18, T-21S, R-37E
Lea County, New Mexico

III. Well Data

- A. 1) See injection well data sheet
- 2) See injection well data sheet
- 3) 5-1/2" Fiberline
- 4) Baker Model "D" Packer or Equivalent
- B. 1) Injection formations - San Andres
- 2) Injection interval ~~4100'~~ ^{4250'} - 4600'
- 3) Original purpose of well is for producing oil well
- 4) See Attached Wellbore Diagram
- 5) Next higher producing zone is the Grayburg, +/- 3632'
- Next lower producing zone is the Glorieta, +/- 5286'

IV. No

V. Attached

VI. Attached

VII. Proposed Operations:

- 1) Estimated 15,000 - 18,000 bbls
- 2) Closed
- 3) Average pressure is 1/2 lb, the maximum pressure is 2100 lbs or maximum limit OCD allows
- 4) Attached
- 5) See Attached Analysis

VIII. The proposed disposal formation is interbedded shale and limestone. The primary geologic name is the San Andres, which occurs from ~~4100'~~ ^{4250'} - 4600'. The fresh water formation in the area is the Ogallala and Alluvium, which ranges in thickness from 20' to 60'. An analysis from a producing water well is attached.

IX. Acid as needed

X. N/A - Logs sent in June 1979

XI. Attached

XII. I, Lindsay Truesdell, have examined all available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zones and any underground source of drinking water pertaining to this well.

Signature: Lindsay Truesdell Date: 1/14/08

XIII. Attached

OPERATOR: Rice Operating Company

LEASE NAME & NUMBER: State "E" Tract 27 #1

WELL LOCATION: 430' FSL & 1980' FWL N 18 21-S 37-E Lea
Footage Unit Letter Section Township Range County

Surface Casing

Hole Size: 12-1/4"
Casing Size: 9-5/8"
Cemented with: 450 sxs Class C
TOC: Surface
Method Determined: Circulated
Total Depth: 1225'

Production Casing

Hole Size: 8-3/4"
Casing Size: 7"
Cemented with: 1525 sxs Class C
TOC: 1340'
Method Determined: Temp. Survey
Total Depth: 6900'

Injection Interval: 4250' - 4600'
Perforated or Open Hole: Open Hole
Tubing Size: 5-1/2"
Lining Material: Fiberglass
Type of Packer: Baker Model D or Equivalent
Packer Setting Depth: 4375'
Other Type of Tbg/Csg Seal (if applicable): N/A

Additional Data

1. Is this a new well drilled for injection: No
If no, for what purpose was the well originally drilled? Oil Well
2. Name of the Injection Formation: San Andres
3. Name of Field or Pool (if applicable): Arrowhead Grayburg
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 plugs(s) used: See Attached Wellbore Schematic

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

Upper Zone: Grayburg +/- 3632'

Lower Zone: Glorieta +/- 5286'

Completion Record

Perforations: See Attached Wellbore Schematic

Acid, Shot, Fracture, Squeeze: _____

WELL DATA SHEET

Field: Blinebry and Drinkard
 Location: 430' FSL & 1980' FWL
 County: Lea State: New Mexico
 Current Status: TA
 Current Producing Formations (s): _____

Well Name: State E Tract 27 #1
 Sec: 18 Township: 21S
 Refno: _____ API: 30-025-26317

Lease Type: State
 Range: 37E
 Cost Center: _____

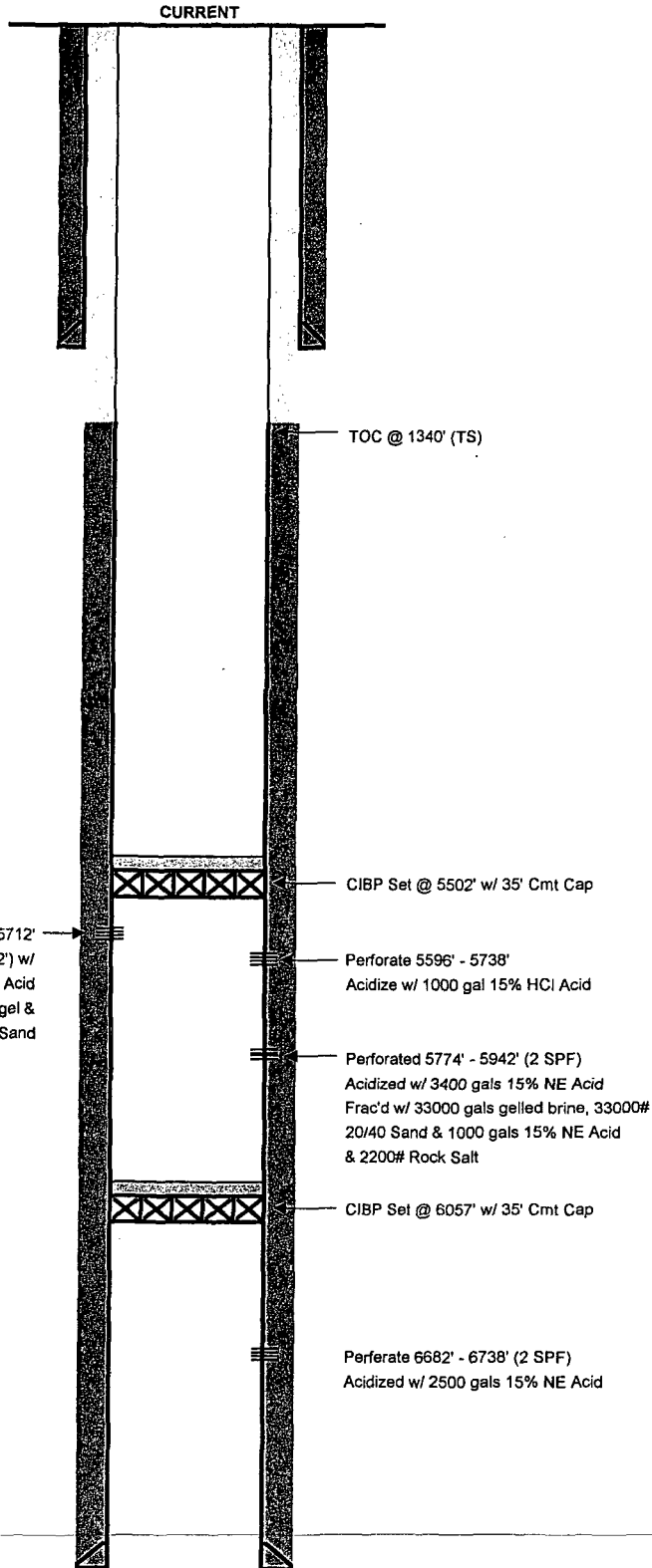
KB: _____
 DF: _____
 GL: 3526'
 Spud Date: 6/5/1979
 Compl. Date: 8/18/1979

Surfaces Csg:

Size: 9-5/8"
 Wt: 32.3#
 Set @: 1225'
 Sxs cement: 450
 Cir: Yes
 TOC: Surface
 Hole Size: 12-1/4"

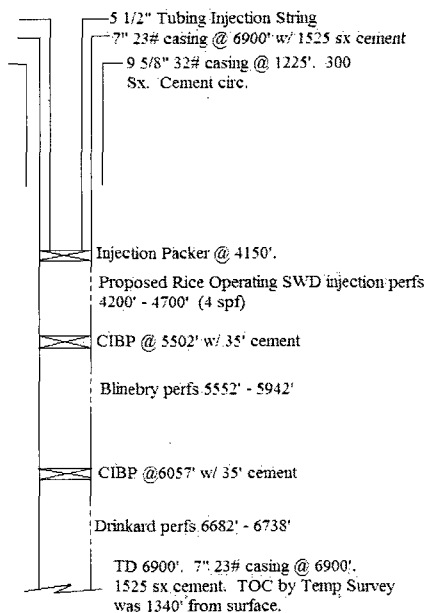
Production Csg:

Size: 7"
 Wt: 23# & 26#
 Set @: 6900'
 Sxs Cmt: 1525
 Circ: No
 TOC: 1340' (TS)
 Hole Size: 8-3/4"



PBTD: 6760'
 TD: 6900'

State E Tract. 27, Well # 1
UL N-S18-T21S-R36E
API # 30-025-26317
After Recompletion Wellbore



State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Drive
Santa Fe, NM 87505

FORM C-103
Revised March 25, 1999

WELL API NO. 30-025-26071 26317
5. Indicate Type of Lease <input checked="" type="checkbox"/> STATE <input type="checkbox"/> FEE
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name State "E" - Tract 27
8. Well No. 1
9. Pool name or Wildcat Blinbry Oil & Gas

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 "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well:
☒ OIL WELL ☐ GAS WELL ☐ OTHER

2. Name of Operator
Apache Corporation

3. Address of Operator
6120 S. Yale, Suite 1500 Tulsa, Oklahoma 74136-4224

4. Well Location
Unit Letter N : 430 Feet From The South Line and 1980 Feet From The West Line
Section 18 Township 21S Range 37E NMPM Lea County
10. Elevation (Show whether DF, RKB, RT, GR, etc.)
3526' GR

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

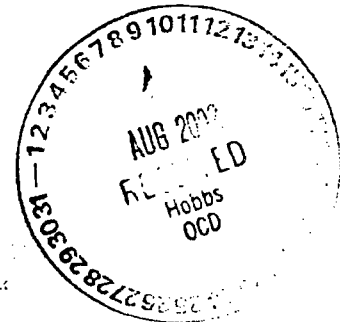
NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
<input type="checkbox"/> Perform Remedial Work	<input type="checkbox"/> Remedial Work
<input type="checkbox"/> Plug and Abandon	<input type="checkbox"/> Altering Casing
<input checked="" type="checkbox"/> Temporarily Abandon	<input type="checkbox"/> Commence Drilling Operations
<input type="checkbox"/> Change Plans	<input type="checkbox"/> Plug and Abandonment
<input type="checkbox"/> Pull or Alter Casing	<input type="checkbox"/> Casing Test and Cement Job
<input type="checkbox"/> Other	<input type="checkbox"/> Other

12. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

2/08/2002 - MIRU and pull out of hole with production equipment
Ran in hole w/ CIBP and set @ 5502' w/ 35' cement cap
2/12/2002 Ran in hole w/ CIBP and set @ 6057' w/ 35' cement cap
7/10/2002 Performed Casing Integrity Test (see attached)

Apache requests approval of Temporarily Abandoned status

This Approval of Temporary
Abandonment Expires 8/13/07



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

SIGNATURE Kara Coday TITLE Sr. Engineering Tech. DATE 8/6/2002
TYPE OR PRINT NAME Kara Coday TELEPHONE NO. 918-491-4957

(This space for State Use)

APPROVED BY _____ TITLE CARY W. WINK DATE AUG 13 2002
CONDITIONS OF APPROVAL, IF ANY: OG FIELD REPRESENTATIVE W/ STATE MANAGER

505

NEW MEXICO OIL CONSERVATION COMMISSION
WELL LOCATION AND ACREAGE DEDICATION PLAT

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

All distances must be from the outer boundaries of the Section

Operator Amoco Production Co.		Lease State "E" N. 27		Acres 1
Section N	Section 18	Range 21 South	Range 37 East	County Lea
Approximate Location of Well: 430 feet from the South line and 1980 feet from the West line				
Surface Elevation 3526.7	Producing Formation Blinberry	Lease Blinberry Oil & Gas		Acres 40

- 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

Name
Bob Davis

Position
Asst. Admin. Analyst

Company
Amoco Production Co.

Date
11-2-79

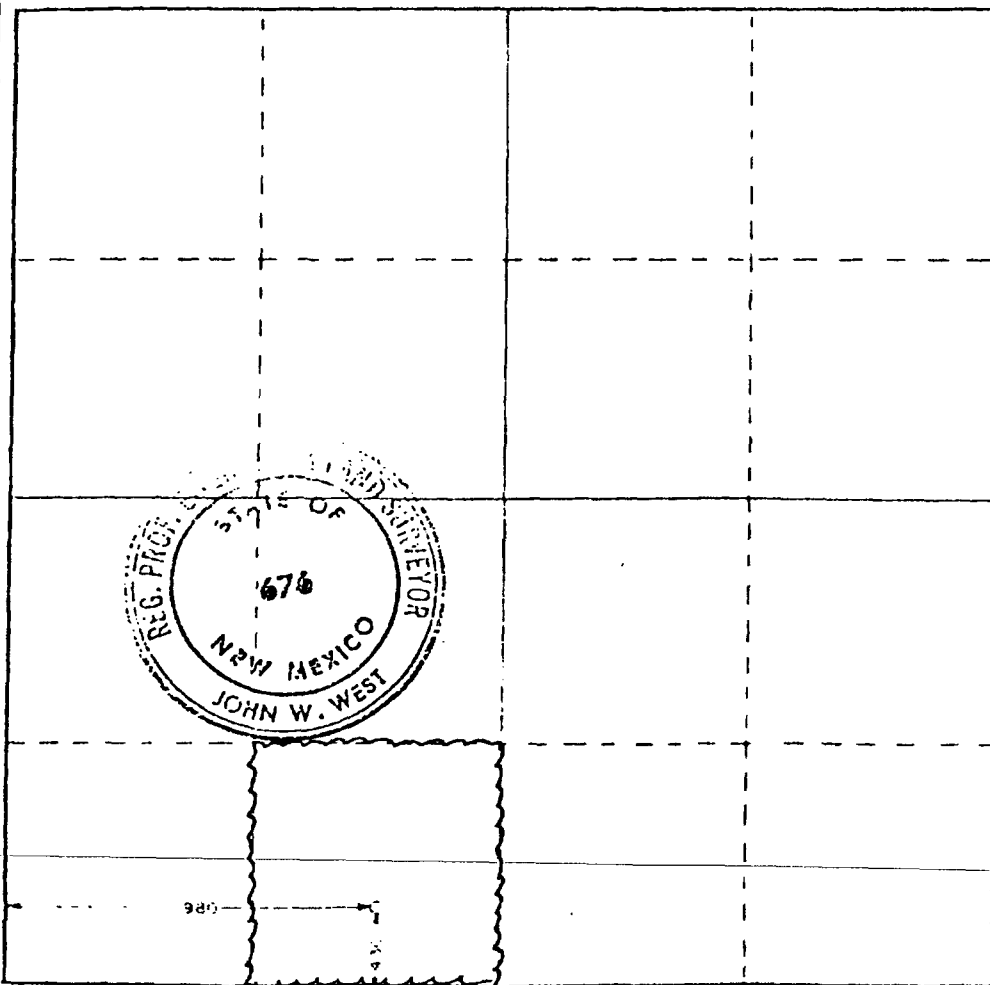
I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my knowledge and belief

Date Surveyed
April 23, 1979

Registered Professional Engineer
No. **676** Surveyor

John W. West

Certificate No. **John W. West 676**
Ronald J. Eidson 3239



330 660 990 1320 1650 1980 2310 2640 2970 3300 3630 3960

MITCHELL ANALYTICAL LABORATORY

2638 Faudree
Odessa, Texas 79765-8538
561-5579

Company: **Nalco Energy Services**

Well Number: **BD SWD N18**
Lease: **Rice Oper.**
Location:
Date Run: **3/2/2005**
Lab Ref #: **05-mar-n24290**

Sample Temp: **70**
Date Sampled: **3/1/2005**
Sampled by: **Mike Carson**
Employee #:
Analyzed by: **DOM**

Dissolved Gases

Hydrogen Sulfide (H₂S)
Carbon Dioxide (CO₂)
Dissolved Oxygen (O₂)

NOT ANALYZED
NOT ANALYZED

Mg/L
148.00

Eq. Wt.
16.00

MEq/L
9.25

Cations

Calcium (Ca++)
Magnesium (Mg++)
Sodium (Na+)
Barium (Ba++)

1,929.60
439.20
15,667.33

20.10
12.20
23.00

96.00
36.00
681.19

NOT ANALYZED

Manganese (Mn+)

.09

27.50

.00

Anions

Hydroxyl (OH-)
Carbonate (CO₃=)
BiCarbonate (HCO₃-)
Sulfate (SO₄=)
Chloride (Cl-)

.00
.00
1,881.88
1,025.00
27,029.70

17.00
30.00
61.10
48.80
35.50

.00
.00
30.80
21.00
761.40

Total Iron (Fe)

0.23

18.60

.01

Total Dissolved Solids

48,121.04

Total Hardness as CaCO₃

6,624.72

Conductivity MICROMHOS/CM

90,000

pH 7.220

Specific Gravity 60/60 F.

1.033

CaSO₄ Solubility @ 80 F. 47.11

MEq/L, CaSO₄ scale is unlikely

CaCO₃ Scale Index

70.0	.953	100.0	1.303	130.0	1.903
80.0	1.093	110.0	1.553	140.0	1.903
90.0	1.303	120.0	1.553	150.0	2.233

Nalco Energy Services

ITEM VII, # 5

MITCHELL ANALYTICAL LABORATORY

2638 Faudree
Odessa, Texas 79765-8538
561-5579

Company: **Nalco Energy Services**

Well Number: Cole St. 8G
Lease: Rice Oper.
Location:
Date Run: 3/2/2005
Lab Ref #: 05-mar-n24289

Sample Temp: 70
Date Sampled: 3/1/2005
Sampled by: Mike Carson
Employee #:
Analyzed by: DOM

Dissolved Gases

		Mg/L	Eq. Wt.	MEq/L
Hydrogen Sulfide (H ₂ S)		220.00	16.00	13.75
Carbon Dioxide (CO ₂)	NOT ANALYZED			
Dissolved Oxygen (O ₂)	NOT ANALYZED			

Cations

		Mg/L	Eq. Wt.	MEq/L
Calcium (Ca++)		225.12	20.10	11.20
Magnesium (Mg++)		73.20	12.20	6.00
Sodium (Na+)		5,928.19	23.00	257.75
Barium (Ba++)				
	NOT ANALYZED			
Manganese (Mn+)		.05	27.50	.00

Anions

		Mg/L	Eq. Wt.	MEq/L
Hydroxyl (OH-)		.00	17.00	.00
Carbonate (CO ₃ =)		360.00	30.00	12.00
BiCarbonate (HCO ₃ -)		2,272.92	61.10	37.20
Sulfate (SO ₄ =)		8.00	48.80	.16
Chloride (Cl-)		8,008.80	35.50	225.60
Total Iron (Fe)		0.27	18.60	.01
Total Dissolved Solids		17,096.56		
Total Hardness as CaCO ₃		862.92		
Conductivity MICROMHOS/CM		30,000		

pH 7.830 Specific Gravity 60/60 F. 1.012

CaSO₄ Solubility @ 80 F. 43.76 MEq/L, CaSO₄ scale is unlikely

CaCO₃ Scale Index

70.0	1.117	100.0	1.457	130.0	2.017
80.0	1.237	110.0	1.717	140.0	2.017
90.0	1.457	120.0	1.717	150.0	2.297

Nalco Energy Services

GENERALIZED SECTION

PRODUCING FORMATIONS LEA COUNTY, NEW MEXICO

SYSTEM	SERIES	FORMATION	LEA COUNTY POOLS
PERMIAN	OCHOA	SALADO	2500'± NONPRODUCTIVE BEDS ARE NOT INCLUDED
	GUADALUPE	TANSILL	
		YATES	ARROW, BAISH, CORBIN, EAVES, EUMONT, GEM, HALL, JALMAT, LUSK, LYNCH, NORTH LYNCH, RHODES, SIMON, TEAS, TONTO, WILSON, NORTH WILSON
		SEVEN RIVERS	ARROW, BOWERS, COOPER, JAL, EAVES, EUMONT, EUNICE, EAST HOBBS, JALMAT, LANGLEIE MAT, LEONARD, TONTO, WATKINS, WEST WILSON
		QUEEN	ARROW, CAPROCK, NORTH CAPROCK, COOPER, CORBIN, DOLLARHIDE, E.K., EUMONT, LANGLEIE MAT, SOUTH LEONARD, PEARSALL, PENROSE, SKELLY, YOUNG
		GRAYBURG	ARROWHEAD, EUNICE-MONUMENT, HARDY, HOBBS, MALJAMAR, EAST MALJAMAR, NORTH MALJAMAR, SOUTH MALJAMAR, PENROSE, SKELLY, ROBERTS, SKAGGS, VACUUM, WATKINS
	LEONARD	SAN ANDRES	SOUTH CARTER, E.K., EIGHTY FOUR DRAW, EUNICE, MONUMENT, GARRETT, HOBBS, EAST HOBBS, HOUSE, LITTMAN, LOVINGTON, WEST LOVINGTON, MALJAMAR, EAST MALJAMAR, NORTH MALJAMAR, SAN MAL, SAWYER, VACUUM
		GLORIETA	JUSTIS, LOVINGTON, MONUMENT, MALJAMAR, PADDOCK
		YESO DRINKARD	BLINEBRY, FOWLER, EAST HOBBS, LOVINGTON, MONUMENT, TERRY
			LOVINGTON, TUBB
	WOLFCAMP	ABO-HUECO	DOLLARHIDE, DRINKARD, FOWLER, HOBBS, HOUSE, NADINE, SKAGGS, WARREN, WEIR
			ANDERSON RANCH, EAST BAGLEY, BAUM, BRONCO, BUFFALO, EAST CAPROCK, CAUDILL, DENTON, D-K, GLADIOLA, SOUTH GLADIOLA, KING, LANE, LOVINGTON, MOORE, TOWNSEND, TULK, WANTZ
PENNSYLVANIAN			ALLISON, BAGLEY, BOUGH, CASS, CROSSROADS, DEAN, EIDSON, HIGHTOWER, LAZY J, EAST LOVINGTON, MESCALERO, MOORE, SOUTH ROBERTS RANCH, SAUNDERS, SOUTH SAUNDERS, SHOE BAR, WILLIAMS
MISSISSIPPIAN		MISS. LS. WOODFORD SH.	DENTON
DEVONIAN			ANDERSON RANCH, BAGLEY, BRONCO, EAST CAPROCK, CAUDILL, CROSBY, CROSSROADS, SOUTH CROSSROADS, DEAN, DENTON, SOUTH DENTON, DOLLARHIDE, DUBLIN, ECHOL, NORTH ECHOL, FOWLER, GLADIOLA, HIGHTOWER, KNOWLES, SOUTH KNOWLES, MALJAMAR, MESCALERO, MOORE, SOUTH ROBERTS RANCH, SAWYER, SHOE BAR, TEAGUE
SILURIAN		FUSSELMAN	DOLLARHIDE, FOWLER, MC CORMICK
ORDOVICIAN	UPPER	MONTOYA	CARY
	MIDDLE	SIMPSON	HARE, SOUTH HARE, TEAGUE, WARREN, NORTH WARREN
	LOWER	ELLENBURGER	BRUNSON, DOLLARHIDE, DUBLIN, FOWLER, TEAGUE
PRE-CAMBRIAN			



ARDINAL LABORATORIES

PHONE (325) 873-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
RICE OPERATING CO.
ATTN: SCOTT CURTIS
122 W. TAYLOR
HOBBS, NM 88240
FAX TO: (505) 397-1471

Receiving Date: 08/03/06
Reporting Date: 08/04/06
Project Number: NOT GIVEN
Project Name: E-32 SWD WELL
Project Location: NOT GIVEN

Key

Sampling Date: 08/02/06
Sample Type: GROUNDWATER
Sample Condition: COOL & INTACT
Sample Received By: NF
Analyzed By: AB/HM

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (uS/cm)	T-Alkalinity (mgCaCO ₃ /L)
ANALYSIS DATE:		08/03/06	08/03/06	08/03/06	08/03/06	08/03/06	08/03/06
H11409-1	ULA 32-31-37	1784	16	9.72	24	7040	640
Quality Control		NR	48.0	48.8	1.81	1420	NR
True Value QC		NR	50.0	50.0	2.00	1413	NR
% Recovery		NR	98	97.0	91	100	NR
Relative Percent Difference		NR	0.0	0.0	0.6	0.2	NR

METHODS:	SM3500-Ca-D	3500-Mg E	8049	120.1	310.1
----------	-------------	-----------	------	-------	-------

	Cl ⁻ (mg/L)	SO ₄ (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	pH (s.u.)	TDS (mg/L)
ANALYSIS DATE:	08/03/06	08/03/06	08/03/06	08/03/06	08/03/06	08/04/06
H11409-1	1839	999	144	488	9.3	4377
Quality Control	970	24.0	NR	976	7.00	NR
True Value QC	1000	25.0	NR	1000	7.00	NR
% Recovery	97	98	NR	98	100	NR
Relative Percent Difference	2.0	10.3	NR	0	0	

METHODS:	SM4500-Cl-B	375.4	310.1	310.1	150.1	180.1
----------	-------------	-------	-------	-------	-------	-------

Bryan J. Cook
Chemist

8/4/06
Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analysis. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. ~~Cardinal shall not be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.~~



CARDINAL LABORATORIES, INC.

2111 Beechwood, Abilene, TX 79603 401 East Marland, Hobbs, NM 88240
(816) 873-2001 Fax (816) 873-7020 (505) 393-2326 Fax (505) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Company Name:	Blue Op
Project Manager:	Scott Curtis
Address:	1322 W Taylor
City:	Lawrence, KS 66044
Phone #:	393-9174
Fax #:	393-7471
Project #:	393-6731
Project Name:	E-32 Sand well
Project Location:	

ANALYSIS REQUEST									
LAB I.D.	Sample I.D.	MATRIX	PREP.	DATE	TIME				
411409 - 1	Fresh water	GROUNDWATER	ACID						
	UL A 32-31-77		OTHER:						
	8/2/06		ICE / COOL						
	4:54 PM		OTHER:						
	4752 Lut from		SLUDGE						
	15 ft well		SP						
	Location		WASTEWATER						

PLEASE NOTE: Laboratory personnel are not responsible for any data if the sample is not properly labeled or if the sample is not properly sealed. The sample must be sealed in a leak-proof container and labeled with the sample ID, date, time, and location. The sample must be sealed in a leak-proof container and labeled with the sample ID, date, time, and location. The sample must be sealed in a leak-proof container and labeled with the sample ID, date, time, and location.

Sampler Requisitioned:	Date: 8/3/02	Received By:
S. Curtis	Time: 10:40	CDH
Requisitioned By:	Date: 8/3/06	Time: 10:50
CDH		
Delivered By: Girle Onal		
Samples: UPS - Bus - Other:		

Phone Result	Yes	No
Exam Result	Yes	No
Additional Fax #:		
REMARKS:		

↑ Cardinal cannot accept verbal changes. Please fax written changes to 816-873-7020.

Ricc Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: BD Jct. N-29
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
04/26/06 16:27

Organics by GC
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1- Deep (6D20005-01) Water									
Benzene	ND	0.00100	mg/L	1	ED62105	04/21/06	04/21/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		97.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		102 %	80-120		"	"	"	"	
Monitor Well #2- Shallow (6D20005-02) Water									
Benzene	ND	0.00100	mg/L	1	ED62105	04/21/06	04/21/06	EPA 8021B	
Toluene	ND	0.00100	"	"	"	"	"	"	
Ethylbenzene	ND	0.00100	"	"	"	"	"	"	
Xylene (p/m)	ND	0.00100	"	"	"	"	"	"	
Xylene (o)	ND	0.00100	"	"	"	"	"	"	
Surrogate: a,a,a-Trifluorotoluene		95.0 %	80-120		"	"	"	"	
Surrogate: 4-Bromofluorobenzene		100 %	80-120		"	"	"	"	

Rice Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: RD Jct. N-29
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
05/01/06 11:11

General Chemistry Parameters by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1- Deep (6D20005-01) Water									
Total Alkalinity	198	2.00	mg/L	1	ED62402	04/25/06	04/25/06	EPA 310.1M	
Chloride	55.9	5.00	"	10	ED62120	04/24/06	04/24/06	EPA 300.0	
Total Dissolved Solids	502	5.00	"	1	ED62405	04/20/06	04/21/06	EPA 160.1	
Sulfate	86.4	5.00	"	10	ED62120	04/24/06	04/24/06	EPA 300.0	
Monitor Well #2- Shallow (6D20005-02) Water									
Total Alkalinity	188	2.00	mg/L	1	ED62402	04/25/06	04/25/06	EPA 310.1M	
Chloride	79.2	5.00	"	10	ED62120	04/24/06	04/24/06	EPA 300.0	
Total Dissolved Solids	584	5.00	"	1	ED62405	04/20/06	04/21/06	EPA 160.1	
Sulfate	80.4	5.00	"	10	ED62120	04/24/06	04/24/06	EPA 300.0	

Ricc Operating Co.
122 W. Taylor
Hobbs NM, 88240

Project: BD Jct. N-29
Project Number: None Given
Project Manager: Kristin Farris-Pope

Fax: (505) 397-1471

Reported:
04/26/06 16:27

Total Metals by EPA / Standard Methods
Environmental Lab of Texas

Analyte	Result	Reporting Limit	Units	Dilution	Batch	Prepared	Analyzed	Method	Notes
Monitor Well #1- Deep (6D20005-01) Water									
Calcium	28.8	0.100	mg/L	10	ED62106	04/21/06	04/21/06	EPA 6010B	
Magnesium	13.4	0.0100	"	"	"	"	"	"	
Potassium	10.0	0.500	"	"	"	"	"	"	
Sodium	122	0.500	"	50	"	"	"	"	
Monitor Well #2- Shallow (6D20005-02) Water									
Calcium	49.9	0.100	mg/L	10	ED62106	04/21/06	04/21/06	EPA 6010B	
Magnesium	24.2	0.0100	"	"	"	"	"	"	
Potassium	5.20	0.500	"	"	"	"	"	"	
Sodium	80.1	0.500	"	50	"	"	"	"	

Environmental Lab of Texas

The results in this report apply to the samples analyzed in accordance with the samples received in the laboratory. This analytical report must be reproduced in its entirety, with written approval of Environmental Lab of Texas.

Page 4 of 10

AFFIDAVIT OF PUBLICATION

State of New Mexico,
County of Lea.

I, KATHI BEARDEN

PUBLISHER

of the Hobbs News-Sun, a
newspaper published at
Hobbs, New Mexico, do solemnly
swear that the clipping attached
hereto was published once a
week in the regular and entire
issue of said paper, and not a
supplement thereof for a period.

of 1
_____ weeks.

Beginning with the issue dated

January 19 2008
and ending with the issue dated

January 19 2008

Kathi Bearden

PUBLISHER

Sworn and subscribed to before

me this 22nd day of

January 2008

Notary Public.

My Commission expires
February 07, 2009
(Seal)



OFFICIAL SEAL
DORA MONTZ
NOTARY PUBLIC
STATE OF NEW MEXICO

My Commission Expires: _____

This newspaper is duly qualified
to publish legal notices or adver-
tisements within the meaning of
Section 3, Chapter 167, Laws of
1937, and payment of fees for
said publication has been made.

LEGAL NOTICE
JANUARY 19, 2008.

4200
Pursuant to the rules and regulations of the Oil Conserva-
tion Division of the State of New Mexico, Rice Operating
Company, 122 West Taylor, Hobbs, New Mexico 88240, is
filing a C-108 Application for a Commercial Salt Water Dis-
posal. The well being applied for is the State E Tract 27 #1
located in Section 18, Unit Letter , T-21S, R-37E, Lea
County, New Mexico. The injection formation is the San
Andres located from 4200' - 4600' below surface. Expected
maximum injection rate is 25,000bpd. The expected maxi-
mum injection pressure is 2000 lbs. Any questions about
the application can be directed to Ellis Gray, 432-685-9158
or any objections or request for hearing must be directed to
the Oil Conservation Division, 505-476-3440, 1220 South
Francis Drive; Santa Fe, New Mexico 87504 within fifteen
(15) days.
#23776

67101863000

02597991

GRAY SURFACE SPECIALTIES
3106 N. BIG SPRING, SUITE 100
MIDLAND, TX 79705

SURFACE OWNER, GRAZING LESSEE, LEASE OWNER
AND OFFSET OPERATORS

State E Tract 27 #1
430' FSL & 1980' FWL, Sec. 18, T-21S, R-37E
Lea County, NM

Surface Owner of Well Site:

State of New Mexico
Commissioner of Public Lands
PO Box 1148
Santa Fe, New Mexico 87504

Operators of Record:

Chevron Midcontinent, LP
15 Smith Road
Midland, Texas 79705

Chevron USA, Inc.
15 Smith Road
Midland, Texas 79705

Fulfer Oil and Cattle, LLC
PO Box 794
Eunice, New Mexico 88231

Graham Royalty, LTD
5429 LBJ Freeway, Suite 500
Dallas, Texas 75240

Gulf Oil Corporation
PO Box 670
Hobbs, New Mexico 88240

Horseshoe Operating, Inc.
110 West Louisiana
Midland, Texas 79701

Marathon Oil Company
PO Box 2490
Hobbs, New Mexico 88240

Westbrook Oil Corporation
PO Box 2264
Hobbs, New Mexico 88241

XTO Energy, Inc.
200 Loraine, Suite 800
Midland, Texas 79701

7
OK
Mirages Energy



January 7, 2008

State of New Mexico
Commissioner of Public Lands
PO Box 1148
Santa Fe, New Mexico 87504

RE: State "E" Tract 27 #1
Unit N, Sec. 18, T-21-S, R-37-E
430' FSL & 1980' FWL
Lea County, New Mexico

To Whom It May Concern:

In accordance with the Rules and Regulations of the Oil Conservation Division of New Mexico, you are being provided a copy of the C-108 Application for Authorization to Inject into the above captioned well.

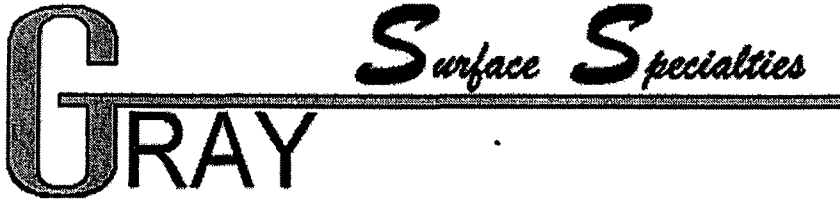
Any questions or concerns about the permit can be directed to Ellis Gray at 432-685-9158. Any objections or request for hearing must be filed with the Oil Conservation Division within fifteen (15) days from the date received. The OCD's address is PO Box 6429, 1220 South Saint Francis Drive, Santa Fe, New Mexico; 505-476-3440.

Thank you,

A handwritten signature in cursive script that reads 'Lindsay Truesdell'.

Lindsay Truesdell
Regulatory Analyst
Gray Surface Specialties
Agent for Rice Operating Company

3106 North Big Spring, Suite 100
Midland, Texas 79705
Office (432) 685-9158



January 7, 2008

XTO Energy, Inc.
200 Lorraine Street, Suite 800
Midland, Texas 79701

RE: State "E" Tract 27 #1
Unit N, Sec. 18, T-21-S, R-37-E
430' FSL & 1980' FWL
Lea County, New Mexico

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Lindsay Truesdell
Regulatory Analyst
Gray Surface Specialties
Agent for Rice Operating Company

3106 North Big Spring, Suite 100
Midland, Texas 79705
Office (432) 685-9158



January 7, 2008

Westbrook Oil Corporation
PO Box 2264
Hobbs, New Mexico 88241

RE: State "E" Tract 27 #1
Unit N, Sec. 18, T-21-S, R-37-E
430' FSL & 1980' FWL
Lea County, New Mexico

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Lindsay Truesdell
Regulatory Analyst
Gray Surface Specialties
Agent for Rice Operating Company

3106 North Big Spring, Suite 100
Midland, Texas 79705
Office (432) 685-9158



January 7, 2008

Mirages Energy Inc.
PO Box 794
Eunice, New Mexico 88231

RE: State "E" Tract 27 #1
Unit N, Sec. 18, T-21-S, R-37-E
430' FSL & 1980' FWL
Lea County, New Mexico

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Lindsay Truesdell
Regulatory Analyst
Gray Surface Specialties
Agent for Rice Operating Company

3106 North Big Spring, Suite 100
Midland, Texas 79705
Office (432) 685-9158



January 7, 2008

Marathon Oil Company
PO Box 2490
Hobbs, New Mexico 88240

RE: State "E" Tract 27 #1
Unit N, Sec. 18, T-21-S, R-37-E
430' FSL & 1980' FWL
Lea County, New Mexico

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Lindsay Truesdell
Regulatory Analyst
Gray Surface Specialties
Agent for Rice Operating Company

3106 North Big Spring, Suite 100
Midland, Texas 79705
Office (432) 685-9158



January 7, 2008

Horseshoe Operating, Inc.
110 West Louisiana
Midland, Texas 79701

RE: State "E" Tract 27 #1
Unit N, Sec. 18, T-21-S, R-37-E
430' FSL & 1980' FWL
Lea County, New Mexico

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Thank you,

A handwritten signature in black ink that reads 'Lindsay Truesdell'. The signature is written in a cursive style with a large, looping 'L' and a trailing flourish.

Lindsay Truesdell
Regulatory Analyst
Gray Surface Specialties
Agent for Rice Operating Company

3106 North Big Spring, Suite 100
Midland, Texas 79705
Office (432) 685-9158



January 7, 2008

Gulf Oil Corporation
PO Box 670
Hobbs, New Mexico 88240

RE: State "E" Tract 27 #1
Unit N, Sec. 18, T-21-S, R-37-E
430' FSL & 1980' FWL
Lea County, New Mexico

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Regulatory Analyst
Gray Surface Specialties
Agent for Rice Operating Company

3106 North Big Spring, Suite 100
Midland, Texas 79705
Office (432) 685-9158



January 7, 2008

Graham Royalty, LTD
5429 LBJ Freeway, Suite 550
Dallas, Texas 75240

RE: State "E" Tract 27 #1
Unit N, Sec. 18, T-21-S, R-37-E
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Lea County, New Mexico

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Lindsay Truesdell
Regulatory Analyst
Gray Surface Specialties
Agent for Rice Operating Company

3106 North Big Spring, Suite 100
Midland, Texas 79705
Office (432) 685-9158



January 7, 2008

Fulfer Oil and Cattle, LLC
c/o Oil Reports and Gas Service
1008 West Broadway
Hobbs, New Mexico 88240

RE: State "E" Tract 27 #1
Unit N, Sec. 18, T-21-S, R-37-E
430' FSL & 1980' FWL
Lea County, New Mexico

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Lindsay Truesdell
Regulatory Analyst
Gray Surface Specialties
Agent for Rice Operating Company

3106 North Big Spring, Suite 100
Midland, Texas 79705
Office (432) 685-9158



January 7, 2008

Chevron USA, Inc.
15 Smith Road
Midland, Texas 79705

RE: State "E" Tract 27 #1
Unit N, Sec. 18, T-21-S, R-37-E
430' FSL & 1980' FWL
Lea County, New Mexico

To Whom It May Concern:

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Lindsay Truesdell
Regulatory Analyst
Gray Surface Specialties
Agent for Rice Operating Company

3106 North Big Spring, Suite 100
Midland, Texas 79705
Office (432) 685-9158



January 7, 2008

Chevron Midcontinent, LP
15 Smith Road
Midland, Texas 79705

RE: State "E" Tract 27 #1
Unit N, Sec. 18, T-21-S, R-37-E
430' FSL & 1980' FWL
Lea County, New Mexico

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In accordance with the Rules and Regulations of the Oil Conservation Division of New Mexico, you are being provided a copy of the C-108 Application for Authorization to Inject into the above captioned well.

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Thank you,

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Lindsay Truesdell
Regulatory Analyst
Gray Surface Specialties
Agent for Rice Operating Company

3106 North Big Spring, Suite 100
Midland, Texas 79705
Office (432) 685-9158



Apache State E. Tract 27 No. 1

API #	Well Owner	Address	Phone	Well Name	Total Depth	Type	Well Location
30-025-06654	Marathon Oil Co.	P.O. Box 2490 Hobbs, NM 88240 70063450000169138076	687-1994	L G Warlick 01	3817'	OIL PLUGGED	Section 18 T-21S R37E 660' FSL & 1980' FEL
30-025-06655	Westbrook Oil Corp.	PO Box 2264 Hobbs, NM 88241 70063450000169138083	505-393-9714	State B #1	3750'	OIL PLUGGED	Section 18 T-21S R37E 990' FSL & 2310' FWL
30-025-26491	Westbrook Oil Corp.	Hobbs, NM 88241 70063450000169138083	505-393-9714	Penroc State E Tr 27 #2	6900'	OIL	Section 18 T-21S R37E 330 FSL & 880' FWL
30-025-06657	Chevron USA Inc.	PO Box 1150 Midland TX 70063450000169138069	432-687-7375	HT Mattern C Number 1	3967'	OIL	Section 18 T-21S R37E 1980' FSL & 660' FEL
30-025-06658	Chevron USA Inc.	PO Box 1150 Midland TX 70063450000169138069	432-687-7375	HT Mattern C Number 2	3913'	OIL	Section 18 T-21S R37E 1980' FSL & 1980' FWL
30-025-27530	Chevron USA Inc.	PO Box 1150 Midland TX 70063450000169138069	432-687-7375	HT Mattern C Number 16	6874'	OIL	Section 18 T-21S R37E 2080' FNL & 1980' FEL
30-025-37108	Chevron USA Inc.	PO Box 1150 Midland TX 70063450000169138069	432-687-7375	HT Mattern C Number 17	4350'	OIL	Section 18 T-21S R37E 1980' FNL & 1980 FWL
30-025-37777	Chevron USA Inc.	PO Box 1150 Midland TX 70063450000169138069	432-687-7375	HT Mattern C Number 19	4350'	OIL	Section 18 T-21S R37E 1650' FSL & 990' FWL
30-025-06659	XTO Energy Inc.	200 Loraine Ste. 800 Midland TX 79701 70063450000169138007	432-620-6714	HT Mattern NCT C Com #3	3800'	GAS	Section 18 T-21S R37E 1980' FSL & 660' FWL
30-025-06660	Gulf Oil Corporation	Box 670 Hobbs, NM 88240 70063450000169138021		HT Mattern NCT C Com #4 P/A	3800	OIL PLUGGED	Section 18 T-21S R37E 1980' FSL & 1980' FEL
30-025-23953	Chevron Midcontinent LP	15 Smith Road Midland, TX 79705 70063450000169138014	432-685-7375	LG Warlick # 3	6750'	OIL	Section 18 T-21S R37E 660' FSL & 330' FEL
30-025-34419	Chevron Midcontinent LP	15 Smith Road Midland, TX 79705 70063450000169138014	432-685-7375	LG Warlick #5	6200'	OIL TEMPORARILY ABANDON	Section 18 T-21S R37E 860' FSL & 1650' FEL

Apache State E. Tract 27 No. 1							
API #	Well Owner	Address	Phone	Well Name	Total Depth	Type	Well Location
30-025-06663	Chevron Midcontinent LP	15 Smith Road Midland, TX 79705 70063450000169138014	432-685-7375	State DC No. 1 P/A ✓	6700'	OIL PLUGGED	Section 19 T-21S R37E 1980' FNL & 1876' FWL
30-025-06669	Chevron Midcontinent LP	15 Smith Road Midland, TX 79705 70063450000169138014	432-685-7375	LG Warlick No. 1 ✓	4000'	OIL	Section 19 T-21S R37E 990' FNL & 330' FEL
30-025-20368	Chevron Midcontinent LP	15 Smith Road Midland, TX 79705 70063450000169138014	432-685-7375	LG Warlick B No. 2 P/A ✓	6670'	OIL PLUGGED	Section 19 T-21S R37E 1980' FNL & 1980' FEL
30-025-20583	Chevron Midcontinent LP	15 Smith Road Midland, TX 79705 70063450000169138014	432-685-7375	State DC No. 2 OK	6750'	OIL PLUGGED	Section 19 T-21S R37E 2310' FNL & 886' FWL
30-025-20777	Chevron Midcontinent LP	15 Smith Road Midland, TX 79705 70063450000169138014	432-685-7375	LG Warlick No. 2 OK	6722'	OIL	Section 19 T-21S R37E 990' FNL & 2310' FEL
30-025-33030	Chevron Midcontinent LP	15 Smith Road Midland, TX 79705 70063450000169138014	432-685-7375	LG Warlick No. 4 ✓	6800'	OIL	Section 19 T-21S R37E 330' FNL & 330' FEL
30-025-34401	Chevron Midcontinent LP	15 Smith Road Midland, TX 79705 70063450000169138014	432-685-7375	State DC No. 3 ✓	7825'	OIL	Section 19 T-21S R37E 1866' FNL & 2195' FWL
30-025-34510	Chevron Midcontinent LP	15 Smith Road Midland, TX 79705 70063450000169138014	432-685-7375	State DC No. 4 ✓	7152'	OIL	Section 19 T-21S R37E 1880' FNL & 660' FWL
30-025-06670	Graham Royalty LTD	5429 LBJ Freeway Suite 550 Dallas, TX 75240 70063450000169138038		Warlick Queen #1 P/A	3700'	GAS PLUGGED	Section 19 T-21S R37E 660' FNL & 660' FEL
30-025-20776	Fulfer Oil and Cattle LLC	c/o Oil Reports & Gas Service 1008 W. Broadway Hobbs, NM 88240 7006344450000169138045		Sunshine State No. 1 OK	6700'	OIL	Section 19 T-21S R37E 990' FNL & 2209' FWL
30-025-21035	Mirages Energy Inc.	PO Box 794, Eunice NM 88231 70063450000169138090		Sunshite State No. 2	3900'	OIL	Section 19 T-21S R37E 990' FNL & 884' FWL
30-025-35969	Horseshoe Operating INC	110 West Louisiana Midland, TX 79701 70063450000169138052	432-683-1448	Leonard State #4	3850'	OIL	Section 24, T-21, R36E 661' FNL & 659' FEL

30-025-26491

Form C-105
Revised 10-1-73STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENT

OIL CONSERVATION DIVISION

P. O. BOX 2088

SANTA FE, NEW MEXICO 87501

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OPERATOR	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease
State <input checked="" type="checkbox"/> Free <input type="checkbox"/>

5. State Oil & Gas Lease No.

B-1553

7. Unit Agreement Name

8. Farm or Lease Name

State E Tract 27

9. Well No.

2

10. Field and Pool, or Wildcat

Undr. Drinkard

12. County

Lea

1. TYPE OF WELL

OIL WELL ☒GAS WELL ☐DRY ☐OTHER ☐

2. TYPE OF COMPLETION

NEW WELL ☒WORK OVER ☐DEEPEN ☐PLUG BACK ☐DIFF. RESVR. ☐OTHER ☐

3. Name of Operator

Amoco Production Company

4. Address of Operator

P. O. Box 68 Hobbs, NM 88240

5. Location of Well

UNIT LETTER M LOCATED 330 FEET FROM THE South LINE AND 880 FEET FROMTHE West LINE OF SEC. 18 TWP. 21-S RGE. 37-E NMPM

15. Date Spudded

10-19-79

16. Date T.D. Reached

11-4-79

17. Date Compl. (Ready to Prod.)

3-28-80

18. Elevations (DP, RKB, RT, GN, etc.)

3530.6 GL

19. Elev. Casinghead

20. Total Depth

6900

21. Plug Back T.D.

6863

22. If Multiple Compl., How Many

23. Intervals Drilled By

Rotary Tools

Cable Tools

O-TD

24. Producing interval(s), of this completion - Top, Bottom, Name

6714'-6770'

25. Was Directional Survey Made

No

26. Type Electric and Other Logs Run

Comp Neutron Form Density; Dual Laterolog; Micro SFL

27. Was Well Cored

No

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

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
9-5/8"	32.3	1230'	12-1/4"	300 SX Lite, 150 Class C	Circ 45 Sx
7"	23, 26	6900'	8-3/4"	1400 SX Lite, 350 SX Thix Set, 450 SX Class C	TCMT 5'

29. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

30. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2-3/8"	6769'	

31. Perforation Record (Interval, size and number)

6714'-6770' w 2 JSPF

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

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6714'-6770'	3000 gal. 15% NE Acid

33. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)	Well Status (Prod. or Shut-in)
3-24-80	Pumping	Producing
Date of Test	Hours Tested	Choke Size
3-28-80	24	
Prod'n. For Test Period	Oil - Bbl.	Gas - MCF
	3	TSTM
Water - Bbl.	Gas - Oil Ratio	
15		
Flow Tubing Press.	Coring Pressure	Calculated 24-Hour Rate
		3
Oil - Bbl.	Gas - MCF	Water - Bbl.
	TSTM	15
Oil Gravity - API (Corr.)		

34. Disposition of Core (sold, used for fuel, vented, etc.)

Test Witnessed By

35. List of Attachments

Logs mailed 8-28-79

36. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNED

Bob Davis

TITLE

Admin. Analyst

DATE

7-29-80

0+4-NMOCD, H

1-Hou

1-Susp

1-BG

30-025 - 27530

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LAND OFFICE	
OPERATOR	

Form C-105
Revised 11-1-81NEW MEXICO OIL CONSERVATION COMMISSION
WELL COMPLETION OR RECOMPLETION REPORT AND LOG

5a. Indicate Type of Lease	
State <input type="checkbox"/>	Fee <input checked="" type="checkbox"/>
5. State Oil & Gas Lease No.	

1a. TYPE OF WELL				7. Unit Agreement Name	
OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> DRY <input type="checkbox"/> OTHER <input type="checkbox"/>				8. Farm or Lease Name	
b. TYPE OF COMPLETION				9. Well No.	
NEW WELL <input checked="" type="checkbox"/> WORK OVER <input type="checkbox"/> DEEPEN <input type="checkbox"/> PLUG BACK <input type="checkbox"/> DIFF. RESVR. <input type="checkbox"/> OTHER <input type="checkbox"/>				H. T. Mattern (NCT-C)	
2. Name of Operator				16	
Gulf Oil Corporation				10. Field and Pool, or Wildcat	
3. Address of Operator				Drinkard	
P. O. Box 670, Hobbs, NM 88240					
4. Location of Well					
UNIT LETTER <u>G</u> LOCATED <u>2080</u> FEET FROM THE <u>North</u> LINE AND <u>1980</u> FEET FROM				11. County	
THE <u>East</u> LINE OF SEC. <u>18</u> TWP. <u>21S</u> RGE. <u>37E</u> NEPV				Lea	
15. Date Spudded	16. Date T.D. Reached	17. Date Compl. (Ready to Prod.)	18. Elevations (DF, RKB, RT, GR, etc.)	19. Elev. Casinghead	
1-11-82	2-2-82	2-25-82	3491' GL	--	
20. Total Depth	21. Plug back T.D.	22. If Multiple Compl., How Many	23. Intervals Drilled By	Rotary Tools	Cable Tools
6874'	6844'	Single	0'-6874'		--
24. Producing Interval(s), of this completion - Top, bottom, Name				25. Was Directional Survey Made	
6677'-6780' Drinkard				No	
26. Type Electric and Other Logs Run				27. Was Well Cored	
CNL-FDC-GR; DL, ML				No	

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB. FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8-5/8"	24#	1250'	12 1/2"	650 sx - circ	
5 1/2"	15.5#	6874'	7-7/8"	2150 sx - circ	

LINER RECORD				TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SIZE	DEPTH SET	PACKER SET
				2-3/8"	6755'	--

1. Perforation Interval (Interval, size and number)				2. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.	
6677-79', 6686-88', 6716-18', 6730-32', 6767-69', 6780-82' w/(2) 1/2" JHPF				DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
				6677'-6782'	2400 gals 15% HCL, (30) RCNB's, 46,200 gals gel, 72,000# 20/40 sd, (16) RCNB's

PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in)	
2-27-82		Pumping				Prod	
Date of Test	Hours Tested	Nozzle Size	Prodn. Per Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
3-10-82	24	2" WO		31	90	29	2903
XXX Tubing Press.	Casing Pressure	Produced Water Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API (Corr.)	
30#	30#		31	90	29	38.7°	

24. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed by
Sold	

25. List of Attachments		
I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.		
SIGNED <u>Russell W. Le</u>	TITLE <u>Area Engineer</u>	DATE <u>3-15-82</u>

MD

District I

1625 N. French Dr., Hobbs, NM 88240

District II

1301 W. Grand Avenue, Artesia, NM 88210

District III

1000 Rio Brazos Road, Aztec, NM 87410

District IV

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

State of New Mexico
Energy Minerals and Natural Resources

Form C-101

May 27, 2004

Oil Conservation Division

1220 South St. Francis Dr.

Santa Fe, NM 87505

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

Operator Name and Address CHEVRON U.S.A. INC. 15 SMITH ROAD, MIDLAND, TX 79705		OGRID Number 4323 ✓
Property Code 2683 ✓	Property Name H.T. MATTERN "C"	API Number 30-025-37108
Proposed Pool 1 PENROSE SKELLY GRAYBURG ✓ 50350		Well No. 17 ✓
Proposed Pool 2		

7 Surface Location

UL or lot no. F	Section 18	Township 21-S	Range 37-E	Lot Idn	Feet from the 1980'	North/South line NORTH	Feet from the 1980'	East/West line WEST	County LEA
--------------------	---------------	------------------	---------------	---------	------------------------	---------------------------	------------------------	------------------------	---------------

8 Proposed 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
---------------	---------	----------	-------	---------	---------------	------------------	---------------	----------------	--------

Additional Well Information

Work Type Code N	Well Type Code O	Cable/Rotary ROTARY	Lease Type Code P	Ground Level Elevation 3498'
Multiple N	Proposed Depth 4350'	Formation GRAYBURG	Contractor	Spud Date 4-24-05
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> _____mils thick Clay <input type="checkbox"/> Pit Volume: _____bbls Drilling Method: Closed-Loop System <input type="checkbox"/> SEE C-144 Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air				

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
11"	8 5/8"	24#	400'	250 SX	CIRCULATE
7 7/8"	5 1/2"	15.5#	4350'	1000 SX	CIRCULATE

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

SURFACE CASING: 250 SX CL C CMT W/2% CACL + 0.25 PPS CELLOFLAKE (J-55 ST & CYED)
 SLURRY PROPERTIES: 14.8 PPG, 1.34 FT3/SK, 6.29 GPS MIX WATER
 PRODUCTION CASING: LEAD IN W/600 SX (35:65) POZ (FLY ASH) CLASS C CMT W/6%
 BENTONITE + 5% SODIUM CHLORIDE + 0.25 PPS CELLOFLAKE + 0.4% FLUID LOSS ADDITIVE
 TAIL IN W/400 SX (50:50) POZ (FLY ASH) CLASS C CMT W/5% SODIUM CHLORIDE + 2%
 BENTONITE + 0.25 PPS CELLOFLAKE
 SLURRY PROPERTIES: 12.4 PPG, 2.15 FT3/SK, 11.97 GPS MIX WATER &
 14.2 PPG, 1.35 FT3/SX, 6.33 PGS MIX WATER
 BOP PROGRAM: SEE ATTACHED DIAGRAM

Permit Expires 1 Year From Approval
 Date Unless Drilling Underway

23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☒, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: DENISE PINKERTON

Title: REGULATORY SPECIALIST

E-mail Address: LEAKEJD@CHEVRONTXACO.COM

Date: 2-28-2005

Phone: 432-687-7375

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date: MAR 02 2005

Expiration Date:

Conditions of Approval Attached ☐

PETROLEUM ENGINEER

30-025-37777

Submit 3 copies
to Appropriate
District Office

State of New Mexico

Energy, Minerals and Natural Resources Department

Form C-103

Revised 1-1-89

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.

30-025-37777

5. Indicate Type of Lease

STATE ☐FEE ☒

6. State Oil / Gas Lease No.

7. Lease Name or Unit Agreement Name

H.T. MATTERN NCT-C

8. Well No.

9. Pool Name or Wildcat

PENROSE SKELLY GRAYBURG

SUNDRY NOTICES AND REPORTS ON WELLS
(DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO
DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT
(FORM C-101) FOR SUCH PROPOSALS.

1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER ☐

2. Name of Operator
CHEVRON USA INC

3. Address of Operator
15 SMITH RD, MIDLAND, TX 79705

4. Well Location

Unit Letter L : 1650' Feet From The SOUTH Line and 990' Feet From The WEST Line
Section 18 Township 21-S Range 37-E NMPM LEA COUNTY

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐PLUG AND ABANDON ☐TEMPORARILY ABANDON ☐CHANGE PLANS ☐PULL OR ALTER CASING ☐OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ALTERING CASING ☐COMMENCE DRILLING OPERATION ☐PLUG AND ABANDONMENT ☐CASING TEST AND CEMENT JOB ☐OTHER: ☐NEW WELL COMPLETION ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

4-24-06: MIRU CAPSTAR #16. SPUD WELL. DRILL O-262.450.

4-25-06: RAN 11 JTS 8 5/8" 24#, J-55, STC SET @ 484'. CMT W/475 SX CL C 2% CACL, .25 PPS D29, 14.8 PPG, CIRC 168 SX TO SURF. WOC. TAG CMT @ 394. DRILL 490-566', 994, 1499, 1967, 2187, 2449, 2731, 2742, 2834, 2888, 3015, 3077, 3370, 3551, 3876, 3995,

4-30-06: PULL BIT INTO SURF CSG & CIRC. DRILL @ 4030.

5-01-06: DRILL 3995-4026, 4136, 4323. RAN 97 JTS + 1 - 10' MARKER SHORT JT. SET @ 4321. FLOAT COLLAR @ 4230.

5-02-06: CMT 5 1/2" 15.5# J-55 LT&C CSG AS FOLLOWS: LEAD 550 SX 35:65 POZ CL C, 5% NACL, 6% GEL, 0.4% FLA, 0.1 PPS POLY FLAKE, 0.2% ANTIFOAM; DENSITY=12.4 PPG, YIELD=2.15 CF/SK, MIX H2O=11.95 GPS. TAIL: 500 SX 50/50 POZ C, 5% NACL, 2% GEL, 0.1 PPS POLY FLAKE, DENSITY = 14.2 PPG, YIELD = 1.35 CF/SK, MIX H2O = 6.33 GPS. CIRC 157 SX CMT. PLUG BUMPED @ 0730. FLOAT HELD. SET SLIPS. REL RIG @ 1100.

5-04-06: MIRU. RUN GR/CPNL/CCL. LOG FR PBTD TO SURF. RUN CBL & CCL IN THE AM.

5-05-06: RUN CBL/CCL FROM TD TO SURF. GIH W/LOGS & RUN CBL/CCL W/500 PSI ON CSG FR TD TO SURF. PRESS TEST CSG TO 1000 PSI-OK.

5-08-06: PERF 3690-95, 3700-06, 3708-11, 3719-24, 3748-3757, 3761-67, 3768-73, 3774-79, 3780-86, 3808-18, 3834-37, 3840-45, 3850-57, 3858-61, 3863-68, 3874-78, 3881-3891, 3892-97, 3900-10, 3915-24, 3925-33, 3934-40, 3942-49, 3954-64. (608 HOLES)

5-11-06: FRAC W/88,000 GALS YF125FT, & SAND.

5-15-06: MIRU WORKOVER RIG. TIH & TAG SAND @ 4156. BTM PERF @ 3964, TD @ 4230, 192' BELOW BTM PERF, ONLY 74' SAND IN HOLE. TIH W/Ws W/PKR & SET @ 3612. 5-16-06: RU SWAB.

5-17-06: TIH W/CCL, GR, RUN PRISM LOG. TAG @ 4148. RUN PRISM LOG FR 4148-3400. OPEN WELL TO FLOWBACK TANK. RU REV UNIT. PUMP DN TBG 50 BBLS 2% KCL MIXED W/110 GALS SCALE INHIBITOR. FLUSH W/230 BBLS 2% KCL. NO PRESSURE ON VAC. REL PKR.

5-18-06: REL PKR @ 3612. MI PROD TBG & ROD STRING. PU DESANDER, SN, 2 7/8" TBG, TAC.

5-19-06: SET TAC. LAND TBG W/14 PTS TENSION. PU INSERT PUMP & RODS. SPACE PUMP. HANG ON. RIG DOWN. WAIT ON TEST.

6-02-06: ON 24 HR OPT. PUMPING 9 OIL, 44 GAS, & 358 WATER.

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

SIGNATURE

TITLE Regulatory Specialist

DATE 6/14/2006

TYPE OR PRINT NAME

Denise Pinkerton

Telephone No. 432-687-7375

(This space for State Use)

APPROVED

CONDITIONS OF APPROVAL, IF ANY:

TITLE

PETROLEUM ENGINEER

DATE

JUL 06 2006

30-025-23953

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OPERATOR		

NEW MEXICO OIL CONSERVATION COMMISSION

Form C-103
Supersedes Old
C-102 and C-103
Effective 1-1-65

5a. Indicate Type of Lease
State <input type="checkbox"/> Fee <input checked="" type="checkbox"/>

5. State Oil & Gas Lease No.

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 "APPLICATION FOR PERMIT -" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Penrose Production Company	8. Farm or Lease Name Warlick
3. Address of Operator 1605 Commerce Building, Fort Worth, Texas 76102	9. Well No. 3
4. Location of Well UNIT LETTER <u>P</u> , <u>660</u> FEET FROM THE <u>south</u> LINE AND <u>330</u> FEET FROM THE <u>east</u> LINE, SECTION <u>18</u> TOWNSHIP <u>21S</u> RANGE <u>37E</u> NMPM.	10. Field and Pool, or Wildcat Penrose-Skelley & Blinberry
15. Elevation (Show whether DF, RT, GR, etc.) 3498' GR	12. County Lea

16.

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐
TEMPORARILY ABANDON ☐
PULL OR ALTER CASING ☐
OTHER ☐

PLUG AND ABANDON ☐
CHANGE PLANS ☐
OTHER ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐
COMMENCE DRILLING OPNS. ☐
CASING TEST AND CEMENT JOBS ☒
OTHER ☐

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

1-8-72 Total depth 6853' lime. Ran 6854' of 7", 20#, 23#, and 26# casing. Cemented with 100 sacks Class H 16% gel with 2% salt and 400 sacks of Class H neat through shoe followed with 50 sacks of Class H 16% gel with 2% salt and 175 sacks of Class H neat through DV tool at 4055'.

1-11-72 Drilled out DV tool at 4055'. Ran temperature survey and found top of cement at 2890'. Tested casing with 600# for 30 minutes and held okay.

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

SIGNED Carolyn SouthTITLE Production Records Manager DATE 1-12-72

APPROVED BY Joe D. Ramey
Dist. 1, Supv.

DATE JAN 17 1972

CONDITIONS OF APPROVAL, IF ANY:

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO.
30-025-34419

Indicate Type of Lease
STATE ☐ FEE ☒

State Oil & Gas Lease No.

Lease Name or Unit Agreement Name

WARLICK

Well No.

5

Pool name or Wildcat

BLINEBRY OIL

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 "APPLICATION FOR PERMIT"
(FORM C-101) FOR SUCH PROPOSALS.)

Type of Well:

OIL
WELL ☒

GAS
WELL ☐

OTHER

Name of Operator
TITAN RESOURCES I, INC.

Address of Operator
500 W. TEXAS, STE 500; MIDLAND, TEXAS 79701

Well Location

Unit Letter O : 860 Feet From The S Line and 1650 Feet From The E Line

Section 18 Township 21S Range 37E NMPM LEA County

Elevation (Show whether DF, RKB, RT, GR, etc.)

3513' GR.

11 Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐

PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐

CHANGE PLANS ☐

PULL OR ALTER CASING ☐

OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☒ PLUG AND ANBANDONMENT ☐

CASING TEST AND CEMENT JOB ☒

OTHER: SPUD, CSG, CMT, PERF AND ACIDIZE ☒

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

6-15-98 SPUD.

6-15-98 RUN GS, LIT 8-5/8" 24# J-55 ST&C, HOWCO INSERT FLOAT, 28 JTS 8-5/8" 24# J-55 ST&C TO 1220', TOTAL RUN 1223' .CMT W/ 420 SKS PBC2 W/ 1/4# FLOCELE @ 12.8 PPG W/ 1.88 Y. TAIL IN W/ 135 SKS PBC2 W/ 1/4# FLOCELE @ 13.5 PPG W/ 1.63 Y. CIRC 119 SKS TO PIT, PD @ 8:00 PM 6/15/98.

6-27-98 CMT W/ 910 SKS INTERFILL "C" W/ 1/4# FLOCELE, 10 PPG GILSONITE @ 11.9 PPG WT, 2.49 Y USING 13.35 GWPSK. TAIL IN W/ 100 SKS PREMIUM NEAT @ 14.8 PPG, 1.32 Y, USING 6.29 GWPSK. PLUG DOWN @ 10: 03 AM CST 6/26/98. DID NOT CIRC CMT, BUT HAD FULL RTURNS AFTER CMTG 1ST STAGE.

7-2-98 PERF BLINEBRY 5467', 71', 77', 91', 99', 5517', 27', 31', 41', 49', 56', 68', 89', 92', 5603', 18', 33', 43', 48', 57', 64', 76', 5703', 14', 41', 65', 91', 5801', 13', 26', 35', 51', 64', 65', 71', (35 TOTAL HOLES); 4" SELECTFIRE 1 SPF.

7-3-98 ACIDIZE BLINEBRY 5467'-5871' W/ 3000 GALS 15% NEFE.

7-8-98 FRAC BLINEBRY (5467'-5871') DOWN CSG 33,096 GALS 50Q CO2 MEDALLION; 141,160# 20/40 OTTAWA SAND 30,060# 20/40 SUPER LC.

7-15-98 COMMENCED SALES TO WARREN.

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

SIGNATURE Haylie Urias TITLE OPERATIONS TECH. DATE 08-03-98

TYPE OR PRINT NAME HAYLIE URIAS TELEPHONE NO. 915-498-8661

(This space for State Use)

APPROVED BY ORIGINAL SIGNED BY CHRIS WILLIAMS TITLE DISTRICT I SUPERVISOR DATE SEP 03 1998

CONDITIONS OF APPROVAL, IF ANY:

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

District II
811 South First, Artesia, NM 88210

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

District IV
2040 South Pacheco, Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
2040 South Pacheco
Santa Fe, NM 87505

Form C-101

Revised October 18, 1994

Instructions on back

Submit to Appropriate District Office

State Lease - 6 Copies

Fee Lease - 5 Copies

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

1 Operator Name and Address TITAN RESOURCES I, INC. 500 W. TEXAS, STE 500 MIDLAND, TEXAS 79701		2 OGRID Number 16005 152661
		3 API Number 30 - 0 2534419
4 Property Code 23392	5 Property Name WARLICK	6 Well No. 5

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West Line	County
O	18	21S	37E		860	S	1650	E	LEA

8 Proposed 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
9 Proposed Pool 1 BLINEBRY OIL					10 Proposed Pool 2				

11 Work Type Code N	12 Well Type Code O	13 Cable/Rotary R	14 Lease Type Code P	15 Ground Level Elevation 3513
16 Multiple No	17 Proposed Depth 6200	18 Formation BLINEBRY	19 Contractor TMBR/SHARP	20 Spud Date 06-11-98

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
11	8 5/8	24	1200	565	SURFACE
7 7/8	5 1/2	17	6200	1200	SURFACE

22 Describe the proposed program. If this application is to DEEPEN or PLUG BACK give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.

DRILL TO 1200' AND RUN 8 5/8" CSG & CMT; DRILL TO 6200' AND RUN 5 1/2" CSG & CMT.

Permit Expires 1 Year From Approval
Date Unless Drilling Underway

23 I hereby certify that the information given above is true and complete to the best of my knowledge and belief.

Signature:

Haylie Urias

Printed name: HAYLIE URIAS

Title: OPERATIONS TECH.

913-498-8642

OIL CONSERVATION DIVISION

ORIGINAL SIGNED BY CHRIS WILLIAMS
Approved By: DISTRICT I SUPERVISOR

Title:

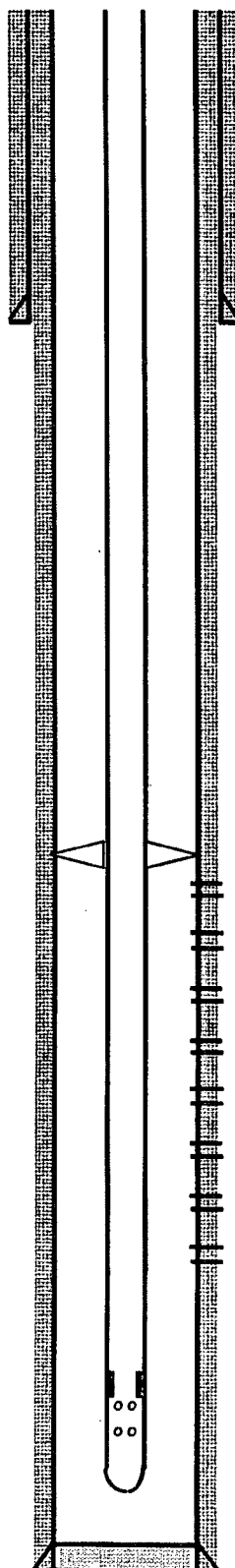
Approval Date: JUN 09 1998

Expiration Date:

Reservoir: Blinebry

860' FSL & 1650' FEL
Section: 18
Township: 21S
Range: 37E
County: Lea State: NM

GL: 3513'
KB: 3525'
DF: 3524'



Chevno: BT5485
API No: 30-025-34419
L5/L6: BCU46AE00
Spud Date: 6/11/98
Compl. Date: 6/26/98

Surface Csg: 8 5/8", 24#, J-55
Set: @ 1220' w/ 555 sks
Hole Size: 11"
Circ: Yes **TOC:** Surface
TOC By: Circulated

#Jts:	Size:	Footage
	KB Correction	11.00
174	Jts. 2 7/8" EUE 8R J-55 Tbg	5394.00
	TAC	3.15
18	Jts. 2 7/8" EUE 8R J-55 Tbg	558.00
1	Jt. 2 7/8" EUE 8R J-55 IPC Tbg	31.00
	SN	1.10
	2 7/8" x 4' Perf Tbg Sub	4.00
1	Jt. 2 7/8" EUE 8R J-55 Tbg	31.00
	Bull Plug	0.50
194	Bottom Of String >>	6033.75

Perfs	Status:
5452-60'	<i>Blinebry - Open</i>
5467-71'	<i>Blinebry - Open</i>
5477-85'	<i>Blinebry - Open</i>
5491-99'	<i>Blinebry - Open</i>
5506-10'	<i>Blinebry - Open</i>
5517-27'	<i>Blinebry - Open</i>
5531-37'	<i>Blinebry - Open</i>
5541-49'	<i>Blinebry - Open</i>
5554-56'	<i>Blinebry - Open</i>
5560-68'	<i>Blinebry - Open</i>
5574-82'	<i>Blinebry - Open</i>
5588-92'	<i>Blinebry - Open</i>
5600-06'	<i>Blinebry - Open</i>
5612-20'	<i>Blinebry - Open</i>
5627-33'	<i>Blinebry - Open</i>
5640-48'	<i>Blinebry - Open</i>
5657-65'	<i>Blinebry - Open</i>
5676-80'	<i>Blinebry - Open</i>
5688-94'	<i>Blinebry - Open</i>
5700-08'	<i>Blinebry - Open</i>
5712-16'	<i>Blinebry - Open</i>
5720-26'	<i>Blinebry - Open</i>
5741-47'	<i>Blinebry - Open</i>
5756-62'	<i>Blinebry - Open</i>
5765-73'	<i>Blinebry - Open</i>
5791-95'	<i>Blinebry - Open</i>
5806-13'	<i>Blinebry - Open</i>
5826-34'	<i>Blinebry - Open</i>
5848-54'	<i>Blinebry - Open</i>
5864-71'	<i>Blinebry - Open</i>
5878-82'	<i>Blinebry - Open</i>
5886-90'	<i>Blinebry - Open</i>
5986-92'	<i>Blinebry - Open</i>
6004-10'	<i>Blinebry - Open</i>

Prod. Csg: 5 1/2" 17#, J-55
Set: @ 6139' w/ 1010 sks
Hole Size: 7 7/8"
Circ: No TOC: Surface
TOC By: Calculated

COTD: 6032'
PBTD: 6095'
TD: 6139'

By: Richard A. Jenkins

WELL DATA SHEET

Field: Penrose Skelly/Paddock/Blinebry/Drinkard
 Location: 1980' FNL & 1876' FWL
 County: Lea State: New Mexico
 Current Status: 1, 2, 3 & 4 are TA
 Current Producing Formations (s): _____

Well Name: State DC #1
 Sec: 19 Township: 21S
 Refno: _____ API: 30-025-06663

Lease Type: State
 Range: 37E
 Cost Center: _____

KB: 3519'
 DF: 3518'
 GL: 3506'
 Spud Date: 10/22/1962
 Compl. Date: 11/17/1962

Surfaces Csg:

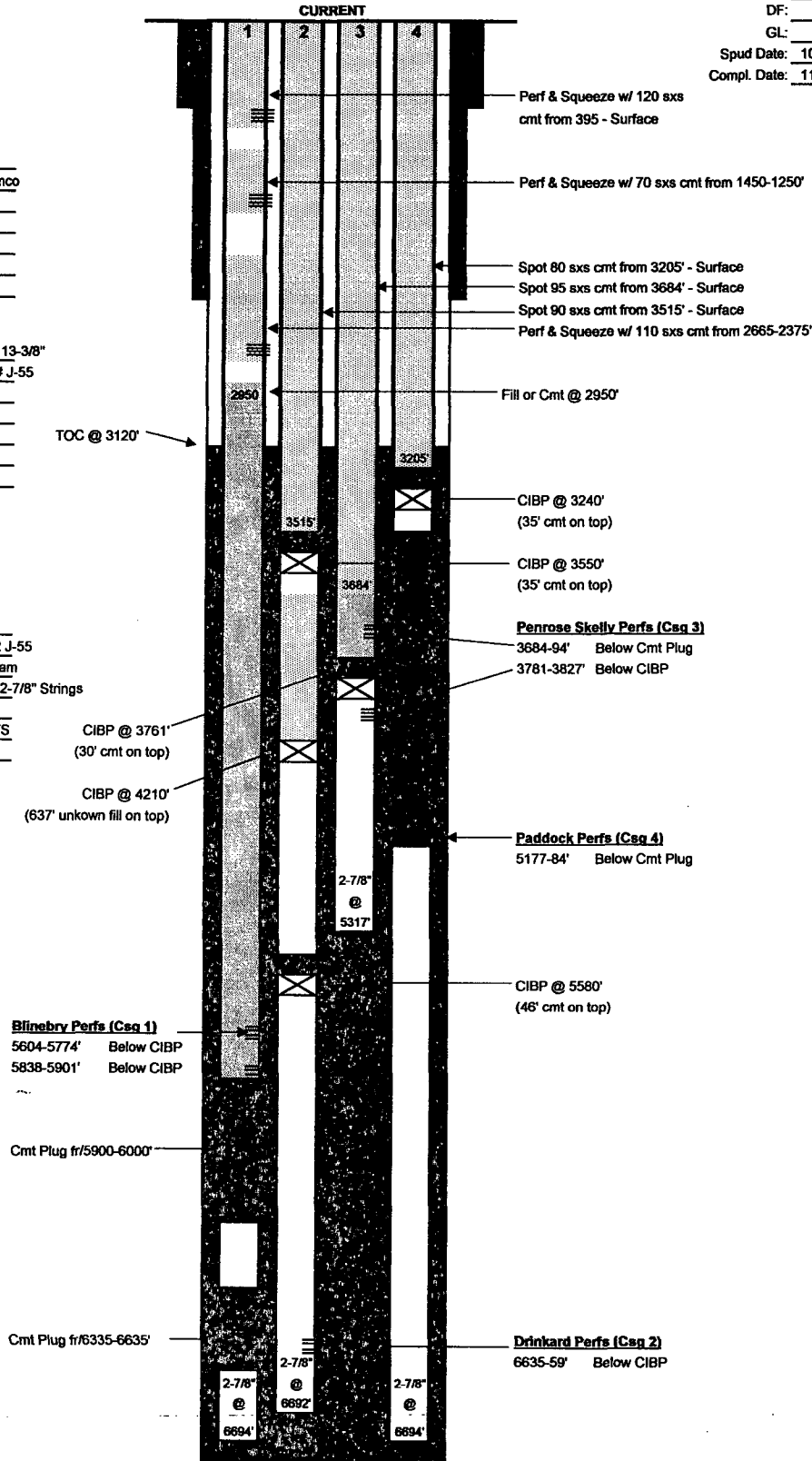
Size: 16"
 Wt: 42.8# Amco
 Set @: 295'
 Sxs cmt: 460
 Cir: Yes
 TOC: Surface
 Hole Size: 20"

Intermediate Csg:

Size: 10-3/4" & 13-3/8"
 Wt: 42# & 61# J-55
 Set @: 2565'
 Sxs Cmt: 1720
 Circ: Yes
 TOC: Surface
 Hole Size: 13-3/4"

Production Csg:

Size: (4) 2-7/8"
 Wt: 8.40# 10R J-55
 Set @: See Diagram
 Sxs Cmt: 1850 thru 2-7/8" Strings
 Circ: No
 TOC: 3120' by TS
 Hole Size: 9-7/8"



PBTD: _____
 TD: 6700'

FROM

(TUE) MAR 21 2006 22:03/ST. 22:02/No. 6661544345 P 2

Submit 3 Copies To Appropriate District Office
 District I
 1625 N. French Dr., Hobbs, NM 88240
 District II
 1301 W. Grand Ave., 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

Form C-103
 May 27, 2004

OIL CONSERVATION DIVISION
 1220 South St. Francis Dr.
 Santa Fe, NM 87505

WELL API NO. 30-025-06663
5. Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
6. State Oil & Gas Lease No. B-1040
7. Lease Name or Unit Agreement Name State DC
8. Well Number: 1
9. OGRID Number
10. Pool name or Wildcat Penrose Skelly (Graybug, Wildcat, San Andres)

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 "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

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

2. Name of Operator

Chevron USA Inc

3. Address of Operator

P.O. Box 7139, Midland, Texas 79708

4. Well Location

Unit Letter F: 1980 feet from the North line and 1876 feet from the West line
 Section 19 Township 21S Range 37E NMPM County Lea

11. Elevation (Show whether DR, RKB, RT, GR, etc.)
3506'

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type STEEL Depth to Groundwater 148 Distance from nearest fresh water well over 1000 Distance from nearest surface water

Pit Liner Thickness: mil Below-Grade Tank: Volume bbls Construction Material

12. Check Appropriate Box to Indicate Nature of Notice, Report or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
 TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
 PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
 COMMENCE DRILLING OPNS ☐ P AND A ☒
 CASING/CEMENT JOB ☐

OTHER: ☐

OTHER: ☐

13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

1. Notified NMOC 24 hrs. prior to MI&RU.

2. RIH in string #4, Tagged PBTD @ 3,152' and spotted 85sx of cement from 3,152'-surface.

3. RIH in string #2, Tagged PBTD @ 3,565' and spotted 95sx of cement from 3,565'-surface.

4. RIH in string #3, Tagged PBTD @ 3,687' and spotted 30sx of cement from 3,687'-2,496'. WOC Tagged @ 3,100'. Pressure test to 500#. OK. Spotted 80sx of cement from 3,100'-surface.

5. RIH in string #1 and Tagged PBTD @ 2,947', displaced hole w/MLF, 9.5 ppg brine w/12.5 gel p/bbl.

6. Perf'd and squeezed string #1 with 110sx of cement from 2,665'-2,375' (10 3/4" x 13 3/8" shoe, B. salt, Yates) WOC Tagged @ 2,369'.

7. Perf'd and squeezed string #1 with 70sx of cement from 1,450'-1,250' (T. salt) WOC Tagged @ 1,240'.

8. Perf'd and squeezed string #1 with 10sx of cement from 395'-200' (16" shoe) WOC Tagged @ 209'.

9. Perf'd and squeezed string #1 with 140sx of cement from 200'-surface (fresh water, surface) WOC Tagged @ surface.

10 installed dry hole marker on 3-20-2006.

I hereby certify that the information above is true and complete to the best of my knowledge and belief. I further certify that any pit or below-grade tank has been/will be constructed or closed according to NMOC guidelines ☐, a general permit ☐ or an (attached) alternative OCD-approved plan ☐.

SIGNATURE

TITLE Manager

DATE 3/20/2006

Type or print name Jimmy Bagley

E-mail address:

OC FIELD REPRESENTATIVE II/STAFF MANAGER (432) 561-8600

For State Use Only

APPROVED BY: Hay W. Wink

TITLE

DATE

Conditions of Approval (if any):

APR 13 2006

Approved as to plugging of the Well Bore.
 Liability under bond is retained until
 surface restoration is completed.

30-025-20777

NUMBER OF COPIES RECEIVED		DISTRIBUTION	
SANTA FE			
U.S.G.S.			
LAND OFFICE			
TRANSFER	OIL		
	GAS		
PRODUCTION OFFICE			
OPERATOR			

NEW MEXICO OIL CONSERVATION COMMISSION

HOBBBS OFFICE O.C.C.

FORM C-103

(Rev 3-55) OFFICE O.C.C.
APR 30 10 56 AM '64

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1106)

Name of Company Penrose Production Company		Address Box 988, Eunice, New Mexico			
Lease Warlick	Well No. 2	Unit Letter B	Section 19	Township 21S	Range 37E
Date Work Performed	Pool Drinkard Blinebry Penrose-Skelly		County Lea		

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations
 ☒ Casing Test and Cement Job
 ☐ Other (Explain):
- ☐ Plugging
 ☐ Remedial Work

Detailed account of work done, nature and quantity of materials used, and results obtained.

2-25-64

Drilled 17½" hole and set 13 3/8 48" New casing at 292' W/300 Sx. cement circulated. ^{WOC 12Hr.} Tested W/1000#. Cement held. ¹

2-28-64

Drilled 12½" hole and set 2550' 9 5/8 32" New Casing W/850 Sx. cement Circulated. ^{WOC 24 Hrs} Tested W/1000#. Cement held. ¹

3-21-64

Drilled 8 3/4" hole and set 7" 26-23-20" New Casing at 6722' W/810 Sx. ^{WOC 48Hrs.} Cement back to 1250' per temperature Survey. Tested W/1000#. Cement held. ¹

Witnessed by A. L. Tankersley	Position Superintendent	Company Penrose Production Company
-----------------------------------------	-----------------------------------	----------------------------------------------

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev.	T D	P B T D	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval		Producing Formation(s)		

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION

I hereby certify that the information given above is true and complete to the best of my knowledge.

Approved by <i>[Signature]</i>	Name <i>[Signature]</i>
Title <i>[Signature]</i>	Position Office Manager
Date	Company Penrose Production Company

30-025-33030

PARKER & PARSLEY DEV. CO.
DAILY OPERATIONS REPORT
BY WELL

(01/01/96 THRU 12/31/99)
PERMIAN DIVISION

DDPF080
01/09/96
14:02:37

=====

WELL: WARLICK #4 (DW)	STATE: NM	TD: 6,800
OPERATOR: P&P DEVELOPMENT L.P.	WT: 0.69625000	
DISTRICT: PERMIAN DIVISION	COUNTY: LEA	

=====

LD machine. POH LDDP.

AFE #: 310067 AFE S: 405,000
DC-S 12,350.0 CTD-S 160,100.00

10/17/95 PRESENT OPERATIONS: RD MORT.

Day 14, 6800' TD Form: Dolo. Brkdown: 5 hrs LDDP, 4 1/12 hrs, run 5 1/2" csg, 1 1/4 hrs circ, 2 hrs cmt, 4 hrs raise BOP, set slips, cut-off 5 1/2" csg, NU withd. MW 10.2 ppg, Vis 32 sec, WL 12.2, Chl 180 M.

Detail: Fin LDDP & DC's. RU csg crew & run 160 jts 5 1/2" csg. Lnd'd @ 6800'. RU BJ. Cmt 5 1/2" csg. Displace @ 105 bbls, started seeing cmt to sfc @ 110 bbls lost rtns. Total displacement 161 BFW. PD @ 8:15 PM, MDT, 10/16/95. Raise BOP & set slips & cut-off csg, NU withd. RR @ 12:15 AM, MDT, 11/17/95.

Cst & Cmtg Detail:

1-5 1/2" Round Nose Float Shoe	1.00'
1 jts- 5 1/2", 15 5#, K-55, LT&C new	37.68'
1-5 1/2" Float Collar	1.40'
159 jts-5 1/2", 15.5#, K-55, LT&C new	6761.66'

	6801.74'
Length from RKB	-1.74'
Csg lnd'd @	6800.00'

Centralizers: 1 middle of shoe jt, then every other joint for total of 20 centralizers. Thread lock on float shoe & float collar w/shoe joint.

Cmt'd as follows:

Lead: 700 sx Class "C" 50:50 PCZ + 10% gel + 5% salt, + .25#/sk Cello-seal.

Tail: 700 sx Class "C" w/2#/sk/ BA-90 + 1.10% FL-62 - 3#/SK Salt

PARKER & PARSLEY DEV. CO.
DAILY OPERATIONS REPORT
BY WELL

(01/01/90 THRU 12/31/99)
PERMIAN DIVISION

DDPF080
01/09/96
14:02:37

=====

WELL: WARLICK #4 (DW)	STATE: NM	TD: 6,800
OPERATOR: P&P DEVELOPMENT L.P.	WL: 0.69625000	
DISTRICT: PERMIAN DIVISION	COUNTY: LEA	

=====

+ .4% CD-32 - .2% SM. Displace w/161 BFW. PD @ 8:15 PM, MDT,
10/16/95. Float held. Trace of cmt to sfc w/105 bbls displaced,
lost rtns w/110 bbls displaced.

AFE #: 310067 AFE \$: 415,000

DC-\$ 68,000.00 CTD-\$ 228,100.00

10/18/95

MOVE OFF RIG.

NOTE: DROP FROM REPORT UNTIL COMPLETION STARTS.

CTD-\$ 228,100.00

10/31/95

Clean & level loc. RU Black Warrior WL. GIH w/4.34" guage ring
to 6749'. Run CCL/VDL, GR, CCL from 6746' to surface. TOC @
820'. Perforate Drinkard, 10SPF as follows: 6679', 78', 60',
59', 58', 54', 52'. Total of 8 shots. SIW. RD rel WL.

DC-\$ 3,150.00 CTD-\$ 231,250.00

11/01/95

PRESENT OPERATION: NEW WELL COMPLETION (PU & GIH W/2 7/8" TBG)

RU EL Toto WSU. Set Weatherford pipe racks. RU BOP. WO tbg.
Unibal 209 jts - 2 7/8", J-55, EUE 8rd new tbg. (8600'). PU &
GIH w/5 1/2" guage. HDCH pkr, SY & 196 jts - 2 7/8" tbg. Pour
pea gravel around surface csg.

Daily cost includes tbg.

DC-\$ 18,450.00 CTD-\$ 249,700.00

11/02/95

PRESENT OPERATION: B/D W/1500 GAL ACID & BALLS.

Rig up Nowsco, tested lines to 4500 psi. Spotted 2 bbl acid
across perfs & pull pkr to 6589'. Reversed dn. csg. w/5 bbls
wtr, set pkr @ 6:39' & press csg to 500 psi. Breakdown at 1400
psi. Acidized 8 perfs (6652' - 6679') w/1500 gal 15% HCL NEFE
containing 3 gallons AI-180, 3 gallons NNE-18, 15 gallons IC-3.
Dropped 16 RCN balls. Average rate 6.2 BPM, max pressure 4600
psi (when balled out), average pressure 3400 psi. ISIP 1150 psi,
5 min SI 650 psi. 10 min SI 200 psi, on vac in 13 minutes.

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
May 27, 2004

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

Submit to appropriate District Office

☐ AMENDED REPORT

APPLICATION FOR PERMIT TO DRILL, RE-ENTER, DEEPEN, PLUGBACK, OR ADD A ZONE

¹ Operator Name and Address Pure Resources, L. P. 500 W. Illinois Midland, Texas 79701		² OGRID Number 150628
		³ API Number 30 - 025-34401
⁴ Property Code 26764	⁵ Property Name State "DC"	⁶ Well No. 3
⁹ Proposed Pool 1 Blinbery Oil & Gas (Oil) (06660)		¹⁰ Proposed Pool 2 Drinkard (19190)

⁷ Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the	North/South line	Feet from the	East/West line	County
F	19	21S	37E		1,866	North	2,195	West	LEA

⁸ Proposed 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

Additional Well Information

¹¹ Work Type Code P and A	¹² Well Type Code O	¹³ Cable/Rotary R	¹⁴ Lease Type Code P	¹⁵ Ground Level Elevation 3,511' GR
¹⁶ Multiple No	¹⁷ Proposed Depth 6,820'	¹⁸ Formation Blinbery	¹⁹ Contractor Pool Well Service	²⁰ Spud Date ASAP
Depth to Groundwater		Distance from nearest fresh water well		Distance from nearest surface water
Pit: Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method: NA-Workover Rig—No Drilling.				
Closed-Loop System <input type="checkbox"/> NA-Steel Tanks will be utilized w/spill containment device on BOP. Fresh Water <input type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air				

²¹ Proposed Existing Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
11"	8-5/8"	24# J-55	1,220'	555sx	Surface
7-7/8"	5-1/2"	17# J-55	7,825'	1,782sx	TOC @ 2,230' CBL

- ²² Describe the proposed program. If this application is to DEEPEN or PLUG BACK, give the data on the present productive zone and proposed new productive zone. Describe the blowout prevention program, if any. Use additional sheets if necessary.
- Pure Resources, L. P. respectively requests to temporarily plug back this well and test in the Blinbery zone to establish rates to DHC with Drinkard zone per the following proposed procedure:
- 1) MIRU. POH w/rods & pump equip. Release TAC. NU BOP. POH w/CA. Tag bottom & check for fill. Clean out as necessary.
 - 2) GIH w/pkr on 2-3/8" tbg., set pkr. @ 6513', test csg to 1000#. Acidize existing Drinkard perms f/6613'-6571' w/3000g 15% NEFE dropping 45 BS.
 - 3) Swab test & establish rates. POH w/pkr. GIH w/RBP on 2-3/8" tbg. & set @ 6,500'. Test to 1000#. POH. RU Wireline & packoff @ 6500'.
 - 4) Perf Blinbery zn w/lspf @ 5500', 08', 12', 22', 33', 43', 51', 62', 72', 82', 98', 5611', 20', 38', 48', 71', 83', 94', 5708', 16', 42', 50', 64', 5817', 40', 56', 70', 84', 5904', 24', 42', 60', 90' - Total 33 Holes.
 - 5) GIH w/ pkr on 2-3/8" tbg. Spot acid across perms, Acidize Blinbery w/3000g 15% NEFE dropping 45 BS. Swab test to determine water cut.
 - 6) POH w/ pkr. NU frac valve, frac Blinbery w/ 40,000g gel & 80,000# resin coated 20/40 ottawa sand or sandwedge @ 60 BPM. GIH w/pkr.
 - 7) Swab test until sand dissipates & obtain representative rates. POH w/ pkr. GIH w/RBP retrieving head & retrieve RBP @ 6500'. GIH w/prod. equip. Obtain daily tests for DHC allocation determination by zone.

BOP Equipment to be 3000psi+ WP. Steel Tanks will be utilized with spill containment device on BOP Stack

²³ I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines ☐, a general permit ☐, or an (attached) alternative OCD-approved plan ☐.

Printed name: Alan W. Bohling

Title: Regulatory Agent

E-mail Address: abohling@pureresources.com

Date: 04/21/2005

Phone: (432) 498-8662

OIL CONSERVATION DIVISION

Approved by:

Title:

Approval Date:

Expiration Date:

Conditions of Approval Attached ☒

Approval for Plugback to the Blinbery. **Cannot**
Downhole commingle until DHC is approved.

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

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

OIL CONSERVATION DIVISION

2040 Pacheco St.
Santa Fe, NM 87505

WELL API NO. 30022534510
Indicate Type of Lease STATE <input checked="" type="checkbox"/> FEE <input type="checkbox"/>
State Oil & Gas Lease No.

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 "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

Lease Name or Unit Agreement Name
STATE DC

Type of Well
OIL WELL ☐ GAS WELL ☒ OTHER ☐

Well No.
4

Name of Operator
TITAN RESOURCES I, INC.

Pool name or Wildcat
WANTZ (ABO)
Wildcat

Address of Operator
500 W. TEXAS, STE 500; MIDLAND, TEXAS 79701

Well Location
Unit Letter 2 : 660 Feet From The W Line and 1880 Feet From The N Line

Section 19 Township 21 Range 37E NMPM LEA County

Elevation (Show whether DF, RKB, RT, GR, etc.)
3520' GR

11 Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ANBANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: SPUD, CMT & CSG, COMPLETION ☒

Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

10-10-98 SPUD WELL

10-11-98 RAN SHOE, 1 JT 8-5/8" 24# J-55 ST&C, FC, 28 JTS 8-5/8" 24# J55 ST&C. WASHED LAST 6 JT DOWN. CMT W/390 SX 35/65/6 POZ W/1/4# CF. TAIL IN W/100 SX C W/2% CACL2. CIRC 85 SX TO PIT. PLUG DOWN @ 1:30 AM.

10/16/98 SPOT CMT PLUG 4639'-3992'. 150 SX CL "H" W/10# GILSONITE & 0.5# CELLO FLAKES PER SX.
10/24/98 1 JT. 5 1/2" 17# LT&C, FC @ 7152', 60 JTS. 5 1/2" 17# LT&C, DV TOOL @ 4424', 98 JTS. 5 1/2" 17# LT&C. CMT 1ST STAGE W/ 875 SX CLASS C W/ .005#/SX STATIC FREE, .5% CD-32, .15% FL-52, 0.005 GAL/SX FT-BL, .1% SODIUM METASILLICATE, 5#/SK GILSONITE MIXED 14.8 PPG W/ 1.33 FT3/SX YIELD, PD: 3:15 PM CST. WOC; CMT 2ND STAGE W/ 325 SX CLASS C 50/50 POZ W/ 5# GILONITE MIXED 11.6 PPG W/ 2.43 FT3/SK YIELD; FOLLOWED BY 210 SX CLASS C W/ 1% CACL MIXED 14.8 PPG W/ 1.34 FT3/SK YIELD.

PBTD 7152'

10/29/98 GR/CNL LOG FROM PBTD TO 2000'; RUN CBL LOG FROM PBTD TO 3100' (TOP OF CMT); RIH W/ 4" SELECT FIRE GUNS; SHOT 2 SPF @ 6958', 6960', 6977', 6986', 7005', 7011', 7016', 7021', 7027', 7033', 7037', 7041', 7075', 7084', 7097', 7113', 7124', 7131', 7138'.

10/30/98 PICKLE TBG W/ 250 GALS 15% ACID; SPOT 250 GALS ACID ACROSS PERFS; SET PKR @ 6703'; ACIDIZE W/ 2500 GALS 15% ACID, 60 BALL SEALERS; GOOD BALL ACTION; DID NOT BALL OUT.

SWABBED

11/7/98 PU 2" X 1 1/4" X 18' PUMP, 172 - 3/4" RODS, 110 - 7/8" RODS AND 4' SUB.

11/8/98 SET AMERICAN 320-213-120 PUMPING UNIT.

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

SIGNATURE Haylie Urias TITLE OPERATIONS TECH. DATE 12-07-98

TYPE OR PRINT NAME HAYLIE URIAS

TELEPHONE NO. 915-498-8661

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

30-025-20776

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PRODUCTION OFFICE	
OPERATOR	

NEW MEXICO OIL CONSERVATION COMMISSION

FORM C-103
(Rev 3-55)

MISCELLANEOUS REPORTS ON WELLS

(Submit to appropriate District Office as per Commission Rule 1116) MAY 25 1964

Name of Company Penrose Production Company		Address Box 988, Dunice New Mexico			
Lease Sunshine State	Well No. 1	Unit Letter C	Section 19	Township 21S	Range 37E
Date Work Performed	Pool Penrose-Skelly Blinebry, Drinkard		County Lea		

THIS IS A REPORT OF: (Check appropriate block)

- ☐ Beginning Drilling Operations
 ☒ Casing Test and Cement Job
 ☐ Other (Explain):
☐ Plugging
 ☐ Remedial Work

Detailed account of work done, nature and quantity of materials used, and results obtained.

4-14-64

Drilled 17½" hole and set 13 3/8 45# new csg. at 267' W/275 Sx. Cement circulated.
WOC 12 hrs. Tested W/1000#. Cement held.

4-17-64

Drilled 12¼" hole and set 7 5/8 32# new csg. at 2553' W/950 Sx. Cement circulated.
WOC 24 hrs. Tested W/1000#. Cement held.

5-5-64

Drilled 8 3/4" hole and set 7" 26#, 23#, 20# new csg. at 6717' W/400 Sx on bottom. Cement back to 4350'. DV tool at 3950 and 250 Sx, cement back 2650'. WOC 48 hrs. Tested W/1000#. Cement held.

Witnessed by A. L. Tankersley	Position Superintendent	Company Penrose Production Company
-----------------------------------------	-----------------------------------	----------------------------------------------

FILL IN BELOW FOR REMEDIAL WORK REPORTS ONLY

ORIGINAL WELL DATA

D F Elev.	T D	P B T D	Producing Interval	Completion Date
Tubing Diameter	Tubing Depth	Oil String Diameter	Oil String Depth	
Perforated Interval(s)				
Open Hole Interval		Producing Formation(s)		

RESULTS OF WORKOVER

Test	Date of Test	Oil Production BPD	Gas Production MCFPD	Water Production BPD	GOR Cubic feet/Bbl	Gas Well Potential MCFPD
Before Workover						
After Workover						

OIL CONSERVATION COMMISSION		I hereby certify that the information given above is true and complete to the best of my knowledge.	
Approved by <i>[Signature]</i>		Name <i>[Signature]</i>	
Title <i>[Signature]</i>		Position Office Manager	
Date <i>[Signature]</i>		Company Penrose Production Company	

ENERGY AND MINERALS DEPARTMENT

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LAND OFFICE	
OPERATOR	

OIL CONSERVATION DIVISION
P. O. BOX 2088
SANTA FE, NEW MEXICO 87501

Form C-103
Revised 10-1-75

5a. Indicate Type of Lease
State ☒ Fee ☐
5. State Oil & Gas Lease No.
B-1732

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 "APPLICATION FOR PERMIT - I" (FORM C-101) FOR SUCH PROPOSALS.)

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name
2. Name of Operator Doug Grimes	8. Farm or Lease Name Sunshine State
3. Address of Operator c/o Oil Reports & Gas Services, Inc., Box 755, Hobbs, NM 88241	9. Well No. 1
4. Location of Well UNIT LETTER C 990 FEET FROM THE North LINE AND 2209 FEET FROM THE West LINE, SECTION 19 TOWNSHIP 21S RANGE 37E N.M.P.M.	10. Field and Pool, or Wildcat Paddock
15. Elevation (Show whether DF, RT, GR, etc.) 3532 DF	12. County Lea

Check Appropriate Box To Indicate Nature of Notice, Report or Other Data
NOTICE OF INTENTION TO: SUBSEQUENT REPORT OF:

PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOBS <input type="checkbox"/>	OTHER <input checked="" type="checkbox"/> Abandon Plans to Test Paddock; Acid Treat Penrose Skelly

17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

Work began 12/1/86. Pulled rods, pump & tubing. Ran tubing with packer & RBP. Set packer at 3785, test casing to 500#, test O. K. Unable to get RBP to set below 4700. Pulled tubing, packer & plug. Set drillable CIBP at 3856. Treat perms 3803-53 with 2,000 gallons 15% HCL acid. Ran tubing, rods & pump. 12/12/86 pump 17 bbls oil & 80 bbls water, 24 hours.

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

SIGNED [Signature] TITLE Agent DATE 12/18/86

ORIGINAL SIGNED BY
DISTRICT MANAGER

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Monday, March 17, 2008 5:54 PM
To: 'lindsay_truesdell@yahoo.com'
Cc: Ezeanyim, Richard, EMNRD; Brooks, David K., EMNRD; Kautz, Paul, EMNRD; Phillips, Dorothy, EMNRD; Sanchez, Daniel J., EMNRD
Subject: SWD Application on behalf of Rice Operating Company: State E Tract 27 Well No. 1 API No. 30-025-26317 Located Unit N Sec 18 T21S R37E

Hello Ms. Truesdell:

After reviewing this application, I have the following questions and requests:

- 1) Apparently this well was approved for injection into a similar SA interval for Apache in 2005 with SWD-985. Would you send some documentation that Apache knows about this proposal by Rice or was formally notified? The well file does not yet have a change of operator form.
- 2) Who controls this San Andres interval in the SE/4 SE/4 of Section 13? and in the NE/4 NE/4 of Section 24? Were these entities notified?
- 3) The Apache application had different notifications, which raises some questions: Why was "Mirage" notified by you but is not listed in your list of companies notified? You notified Gulf - probably no return from them? Apache notified Lanexco Inc, Pecos Production Company, and Zachery Oil Operating Company = are these no longer affected parties? If you need to notify additional parties, send them the entire application and record the certified receipt number.
- 4) Please send the notification list again and list each certified receipt number by each name - or just send copies of the certified receipts.
- 5) Please ask your geologist as to what the deepest production interval in this area is for the Penrose Skelly; Grayburg Pool. Several wells in your AOR produce from this interval.
- 6) Your AOR table should be shrunk to delete all wells that were not drilled to or near the depth of the top of your intended injection interval.
- 7) Your AOR table does not have any casing and cement top data for wells that are not yet Plugged - please send this information.
- 8) As we talked about before, send an "after conversion" wellbore diagram.
- 9) Rule 40 prohibits the engineering bureau from issuing SWD permits while the operator is out of compliance. The engineering bureau must check the links on the OCD web site to see if an operator is in compliance. The "inactive well" link for RICE is fine. However, the following link shows Rice needs to pay some bonds to Dorothy Phillips of this office:

<http://www.emnrd.state.nm.us/OCD/OCDPermitting/Report/Stats/InactiveWellFinancialAssuranceReport.aspx?Operator=19174>

Thank You,

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

*(Cancelled
 3/17/08
 Re-Open
 4/12/08)*

3/17/2008

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Monday, May 12, 2008 7:32 PM
To: 'Lee Ann'
Cc: Ezeanyim, Richard, EMNRD; Warnell, Terry G, EMNRD
Subject: RE: SWD Application on behalf of Rice Operating Company: State E Tract 27 Well No. 1 API No. 30-025-26317 Located Unit N Sec 18 T21S R37E

Hello Lee Ann and Mr. Ellis:

I have this permit ready to put in Daniel's box to sign, but:

- 1) Please send "After Conversion" wellbore diagram and
- 2) Send signed waiver from Anadarko Petroleum

Thank You,

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

From: Lee Ann [mailto:leeann@graysurfacespecialties.com]
Sent: Monday, May 12, 2008 7:16 AM
To: Jones, William V., EMNRD
Cc: 'Scott Curtis'
Subject: RE: SWD Application on behalf of Rice Operating Company: State E Tract 27 Well No. 1 API No. 30-025-26317 Located Unit N Sec 18 T21S R37E
Importance: High

Mr. Jones,

I visited with Kim and Richard on Friday and with all the confusion I have decided to come to Sante fe today to see if I can help get the questions resolved as Rice is really needing the approval of this permit.

I am bring documentation with me but I thought it might be helpful if I go ahead and forward you a copy and if time allows maybe you can review.

Attached you will find that I have added to the spreadsheet the certified receipt numbers.

- 4) Please send the notification list again and list each certified receipt number by each name - or just send copies of the certified receipts.

As well as documentation regarding casing and cement top for all wells deeper than 4200' which will be the top of the interval.

- 7) Your AOR table does not have any casing and cement top data for wells that are not yet Plugged - please send this information.

Also I reviewed the following and I am uncertain whey Mirage was not notified the first time however I did not see this affecting neither Pecos and Zachery. I appears to me that the well that Lanexco has in Unit G is out of the range.

- 3) The Apache application had different notifications, which raises some questions: Why was "Mirage" notified by you but is not listed in your list of companies notified? You notified Gulf - probably no return from them? Apache notified Lanexco Inc, Pecos Production Company, and Zachery Oil Operating Company = are these no longer affected parties? If you need to notify additional parties, send them the entire application and record the certified receipt number.

5/12/2008

In regards to the following is this to be prepared before permit is approved or after well is converted? Please advise.

As we talked about before, send an "after conversion" wellbore diagram.

Also I am confirming the information for the question below

Who IS THE LESSEES of the San Andres interval in the SE/4 SE/4 of Section 13? and in the NE/4 NE/4 of Section 24? Were these entities notified?

My plane arrives in Albuquerque at 9:05 so I hope to be to your office by 11:00.

Anxious to meet and discuss this project with you.

Thank you,

Lee Ann Rollins

Gray Surface Specialties

432-685-9158 (office)

432-556-6543 (cell)

From: Jones, William V., EMNRD [mailto:William.V.Jones@state.nm.us]

Sent: Tuesday, May 06, 2008 5:36 PM

To: Lee Ann Rollins

Subject: FW: SWD Application on behalf of Rice Operating Company: State E Tract 27 Well No. 1 API No. 30-025-26317 Located Unit N Sec 18 T21S R37E

Lee Ann:

Please read this below email that I sent April 29 to Lindsay Truesdell.

Let me know?

From: Jones, William V., EMNRD

Sent: Tuesday, April 29, 2008 6:00 PM

To: 'lindsay_truesdell@yahoo.com'

Subject: FW: SWD Application on behalf of Rice Operating Company: State E Tract 27 Well No. 1 API No. 30-025-26317 Located Unit N Sec 18 T21S R37E

Hey Lindsay:

As of today, here is what is left of the 9 questions: (just a bit more on question 2 and then 3, 4, 7, and 8)

2) Who IS THE LESSEES of the San Andres interval in the SE/4 SE/4 of Section 13? and in the NE/4 NE/4 of Section 24? Were these entities notified?

3) The Apache application had different notifications, which raises some questions: Why was "Mirage" notified by you but is not listed in your list of companies notified? You notified Gulf - probably no return from them? Apache notified Lanexco Inc, Pecos Production Company, and Zachery Oil Operating Company = are these no longer affected parties? If you need to notify additional parties, send them the entire application and record the certified receipt number.

4) Please send the notification list again and list each certified receipt number by each name - or just send copies of the certified receipts.

7) Your AOR table does not have any casing and cement top data for wells that are not yet Plugged - please send this information.

8) As we talked about before, send an "after conversion" wellbore diagram.

Thank You,

5/12/2008

Jones, William V., EMNRD

From: Lee Ann [leeann@gss04.com]
Sent: Tuesday, May 13, 2008 4:35 PM
To: Jones, William V., EMNRD
Cc: 'Ellis Gray'; 'Scott Curtis'
Subject: FW:Section 13, SE/4SE/4 Mineral Lessee - Rice SWD Permit
Importance: High
Attachments: Apache Letter .pdf

Will please see e-mail from Clinton Mills (Production Engineer for Apache who submitted the Apache letter "see attached")

As per Mr. Mills Leaco is a subsidiary of Apache and therefore when Apache was notified thus was LeaCo New Mexico Exploration and Production who is listed as the mineral lessee for the SE/4SE/4 of Section 13.

LeaCo New Mexico Exploration and Production has the same address as Apache.

Please let me know if you need anything else.

Hopefully this will be all that is needed for the permit to be signed off on.

Thanks for all your time and hard work!

Lee Ann

From: Mills, Clinton [mailto:Clinton.Mills@usa.apachecorp.com]
Sent: Tuesday, May 13, 2008 5:28 PM
To: leeann@gss04.com
Subject: Leaco

Leeann

Leaco is a subsidiary of Apache. In reference to the State E TR 27 #1 Apache is the operator not Leaco.

Clint Mills
Production Engineer
918-491-4970

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

5/14/2008



6120 S. YALE / SUITE 1500 / TULSA, OKLAHOMA 74136-4224

WWW.APACHECORP.COM
Telephone: (918) 491-4900

March 18, 2008

State of New Mexico
Energy, Minerals & Natural Resources Dept.
Oil Conservation Division
1220 S. St. Francis Drive
Santa Fe, New Mexico 87505

RE: **Proposed – State 'E' Tract 27 No.1 SWD
Unit N, Sec. 18-T22S-R37E
Eunice, San Andres, North (Gas)
Lea County, New Mexico**

To whom it may concern:

Apache Corporation is aware of RICE Operating applying for an injection permit on the State E TR 27 #1 well. Apache Corporation intends to turn over operatorship of said well to RICE Operating once the permit is approved.

Please Contact me at 918-491-4970 if you need additional information or have any questions regarding this application. Thank You.

Sincerely,

APACHE CORPORATION

A handwritten signature in black ink, appearing to read "Clint Mills", written over the printed name.

Clint Mills
Production Engineer

Scott :

1) Penrose Skelly/Grayburg production interval in vicinity of N-18-21-37 is typically 3660' to +/- 4000'. None seen in this area deeper than 4009' (Chevron H.T. Mattern # 7, J-18-21-37). *SA TOP = 3,989'*

*6861
3830-3973
60/390W/127602*

2) OCD website shows no producing PS/G wells in either P-13-21-37, or in A-24-21-37. The surface in these two unit letters is State. However, when the surface was conveyed, the minerals remained Federal. A PS/G well in either of these units would be a Federal lease (according to Curt Simmons, LIE, BLM, Carlsbad office).

MB

Jones, William V., EMNRD

From: Jones, William V., EMNRD
Sent: Tuesday, April 29, 2008 6:00 PM
To: 'lindsay_truesdell@yahoo.com'
Subject: FW: SWD Application on behalf of Rice Operating Company: State E Tract 27 Well No. 1 API No. 30-025-26317
Located Unit N Sec 18 T21S R37E

Hey Lindsay:

As of today, here is what is left of the 9 questions: (just a bit more on question 2 and then 3, 4, 7, and 8)

- 2) Who IS THE LESSEES of the San Andres interval in the SE/4 SE/4 of Section 13? and in the NE/4 NE/4 of Section 24? Were these entities notified?
- 3) The Apache application had different notifications, which raises some questions: Why was "Mirage" notified by you but is not listed in your list of companies notified? You notified Gulf - probably no return from them? Apache notified Lanexco Inc, Pecos Production Company, and Zachery Oil Operating Company = are these no longer affected parties? If you need to notify additional parties, send them the entire application and record the certified receipt number.
- 4) Please send the notification list again and list each certified receipt number by each name - or just send copies of the certified receipts.
- 7) Your AOR table does not have any casing and cement top data for wells that are not yet Plugged - please send this information.
- 8) As we talked about before, send an "after conversion" wellbore diagram.

Thank You,

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

4/29/2008

Jones, William V., EMNRD

From: Lee Ann [leeann@graysurfacespecialties.com]
Sent: Tuesday, April 29, 2008 1:56 PM
To: Jones, William V., EMNRD
Subject: re: Rice SWD well, State
Attachments: Apache Letter .pdf; Reply to Jones Questions .pdf

Mr. Jones as per our e-mails yesterday the questions below still needed to be answered. Please see attached as I believe this will complete the process.

Please let me know if there is anything else you need in order to grant approval for the SWD well.

Thanks so much for your assistance,
Lee Ann Rollins
Gray Surface Specialties
432-685-9158

- 1) Apparently this well was approved for injection into a similar SA interval for Apache in 2005 with SWD-985. Would you send some documentation that Apache knows about this proposal by Rice or was formally notified? The well file does not yet have a change of operator form.
- 2) Who controls this San Andres interval in the SE/4 SE/4 of Section 13? and in the NE/4 NE/4 of Section 24?
- 3) Please ask your geologist as to what the deepest production interval in this area is for the Penrose Skelly; Grayburg Pool. Several wells in your AOR produce from this interval

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

4/29/2008

Jones, William V., EMNRD

From: Lee Ann [leeann@gss04.com]
Sent: Thursday, May 08, 2008 3:54 PM
To: kimberlyvromero@state.nm.us
Cc: Jones, William V., EMNRD; 'Dwaine Moore'
Subject: re: Rice SWD Permit - Apache State E Tract 27 #1, Lea County, NM
Importance: High
Attachments: Apache Letter .pdf

Kim,

Thanks for all your help today, as a "re-cap" of our conversation, we don't know what happened to the young lady who was working on this project and she also has the project file so I am in a real jam! I have requested a copy of the Application and schematics ~~ as I need a copy to work on the questions submitted by Mr. Jones but have nothing to really go by.

I do know the application was submitted prior to March 17th, 2008 and Mr. Jones has been extremely helpful in reviewing our file.
****Rice is chomping at the bits for this one and I don't blame them!!

The well is: Apache State E Tract #27 #1, T21S, R37E, Lea County, NM
When I gave you the name of the well earlier I may not have had the "E" in it if that makes any difference.

Application is for Rice Operating, LLC, submitted by Lindsay Truesdall, of Gray Surface Specialties

Thanks for your all your concern and helpfulness!

See attached letter from Apache stating that Apache Corporation intends to turn over operatorship of said well to Rice once permit is approved.

However please note that on Apache's letter they have the name of the well correct but they have the wrong township! Should of read T21S, instead of T22S.

Lee Ann Rollins
Gray Surface Specialties
432-685-9158 (ph)
432-218-7396 (fax)

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

5/12/2008

Injection Permit Checklist 2/8/07

SWD Order Number 985-A **Dates:** Division Approved _____ District Approved _____

Well Name/Num: State E TRACT 27 #1 **Date Spudded:** 6/5/79

API Num: (30-) 025-26317 **County:** Lea

Footages 430 FSL/1980 FWL **Sec** 18 **Tsp** 21S **Rge** 37E

Operator Name: RICE OPERATING COMPANY **Contact** Scott Curtis

Operator Address: 122 West Taylor, Hobbs, NM 88240

Current Status of Well: TA **Planned Work:** _____ **Inj. Tubing Size:** 5 1/2"

	Hole/Pipe Sizes	Depths	Cement	Top/Method
Surface	12 1/4 9 5/8	1225	450	CIRC
Intermediate				
Production	8 3/4 7	6900	1540 1525	1340 TS
Last DV Tool				
Open Hole/Liner				
Plug Back Depth				

Diagrams Included (Y/N): Before Conversion ☒ After Conversion NO

Checks (Y/N): Well File Reviewed ☒ ELogs in Imaging ☒

Intervals:	Depths	Formation	Producing (Yes/No)
Salt/Potash	To 1245		
Capitan Reef			
Cliff House, Etc:			
Formation Above	3632'	GRBS	
Top Inj Interval	4200	SA	NO
Bottom Inj Interval	4600	SA	NO
Formation Below	5286	GOR	

840 PSI Max. WHIP

NO Open Hole (Y/N)

NO Deviated Hole (Y/N)

Fresh Water: Depths: 0 - 300' Wells(Y/N) Yes Analysis Included (Y/N): Yes Affirmative Statement ☒

Salt Water Analysis: Injection Zone (Y/N/NA) OK DispWaters (Y/N/NA) Yes Types: MYRIAD

Notice: Newspaper(Y/N) ☒ Surface Owner SLO Mineral Owner(s) _____

Other Affected Parties: CHEVRON/Cherry/Fossil Oil/GRAN RAY/Gulf/Hess/PZNC/Mount, Wash, etc

AOR/Repairs: NumActiveWells 8 Repairs? _____ Producing in Injection Interval in AOR NO

AOR Num of P&A Wells 1 **Repairs?** NO **Diagrams Included?** Yes **RBDMS Updated (Y/N)** _____

Well Table Adequate (Y/N) NO **AOR STRs:** Sec _____ Tsp _____ Rge _____ **UIC Form Completed (Y/N)** _____

New AOR Table Filename _____ **Sec** _____ **Tsp** _____ **Rge** _____ **This Form completed** _____

Conditions of Approval: _____ **Sec** _____ **Tsp** _____ **Rge** _____ **Data Request Sent** _____

Check GBP Depth

Pewee; 5 Key GRays depths = ?

New Well Table

AOR Required Work: SWD-985 give Apache RIGHTS to this well

Required Work to this Well: _____

OFRID=19174

M/Agr-Eng
Lanceco-INC
Pace Prod. Co.
Zachry O&G