8/21/07 DATE IN	9/5/07 SUSPENSE	W. Jones ENGINEER	8/22/07 LOGGED IN	WFX TYPE	APP NO. pTDS0723436952

ABOVE THIS LINE FOR DIVISION USE ONLY

716-A

NEW MEXICO OIL CONSERVATION DIVISION
- Engineering Bureau -
1220 South St. Francis Drive, Santa Fe, NM 87505

ADMINISTRATIVE APPLICATION CHECKLIST

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

Application Acronyms:

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

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

[A] Location - Spacing Unit - Simultaneous Dedication
☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
☒ WFX ☐ PMX ☐ SWD ☐ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

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

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

[D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,

[F] ☐ Waivers are Attached

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

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

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

Print or Type Name	Signature	Title	Date

e-mail Address

STATE OF NEW MEXICO
ENERGY, MINERALS AND NATURAL
RESOURCES DEPARTMENT

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

FORM C-108
Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

I. PURPOSE: X Secondary Recovery ____ Pressure Maintenance ____ Disposal ____ Storage
Application qualifies for administrative approval? X Yes ____ No

II. OPERATOR: Apache Corporation

ADDRESS: 6120 S. Yale Ave., Suite 1500, Tulsa, OK 74136

CONTACT PARTY: Kevin Mayes PHONE: 918-491-4972

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? X Yes ____ No
If yes, give the Division order number authorizing the project: WFX-716

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).

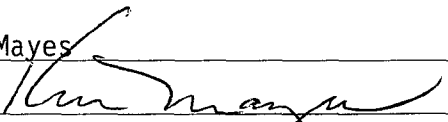
*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

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: Kevin Mayes TITLE: Sr. Engineering Advisor

SIGNATURE:  DATE: 8/16/07

E-MAIL ADDRESS: kevin.mayes@apachecorp.com

* If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: ____

DISTRIBUTION: Original and one copy to Santa Fe with one copy to the appropriate District Office

III. WELL DATA

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

(1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.

(2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.

(3) A description of the tubing to be used including its size, lining material, and setting depth.

(4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

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

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

(1) The name of the injection formation and, if applicable, the field or pool name.

(2) The injection interval and whether it is perforated or open-hole.

(3) State if the well was drilled for injection or, if not, the original purpose of the well.

(4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.

(5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

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

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

(1) The name, address, phone number, and contact party for the applicant;

(2) The intended purpose of the injection well; with the exact location of single wells or the Section, Township, and Range location of multiple wells;

(3) The formation name and depth with expected maximum injection rates and pressures; and,

(4) A notation that interested parties must file objections or requests for hearing with the Oil Conservation Division, 1220 South St. Francis Dr., Santa Fe, New Mexico 87505, within 15 days.

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

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

Side 1

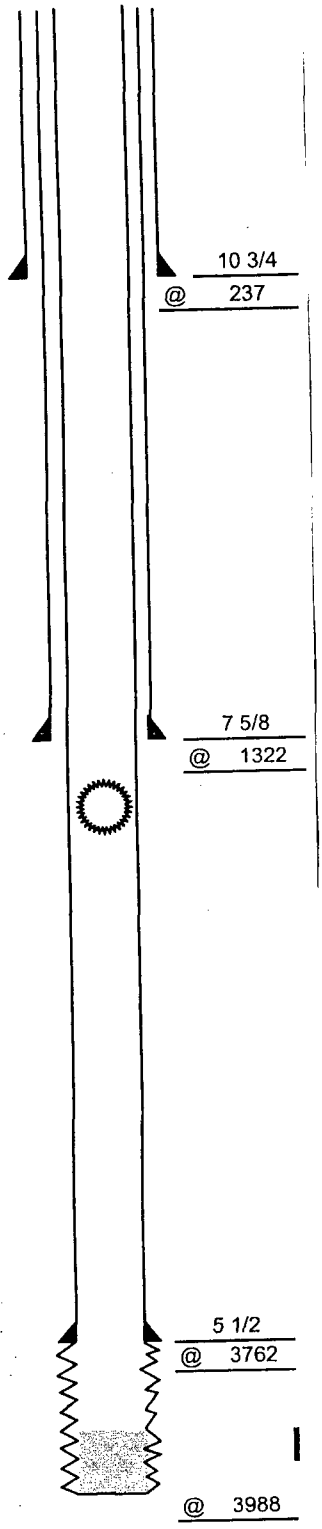
INJECTION WELL DATA SHEET

OPERATOR: Apache Corp

WELL NAME & NUMBER: NMGSAU #807

WELL LOCATION:	1980' FN, 1980' FE	G	19	19S	37E
	FOOTAGE LOCATION	UNIT LETTER	SECTION	TOWNSHIP	RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 13 3/4 Casing Size: 10 3/4

Cemented with: 250 sx. *or* _____ ft³

Top of Cement: Surf Method Determined: Calc.

Intermediate Casing

Hole Size: 9 7/8 Casing Size: 7 5/8

Cemented with: 300 sx. *or* _____ ft³

Top of Cement: 190 Method Determined: Calc.

Production Casing

Hole Size: 6 3/4 Casing Size: 5 1/2

Cemented with: 300 sx. *or* _____ ft³

Top of Cement: 853 Method Determined: Calc

Total Depth: 3988

Injection Interval

3762' feet to 3900'

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: 2 7/8 Lining Material: Plastic

Type of Packer: Dual grip retrievable

Packer Setting Depth: ± 3700'

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

Additional Data

1. Is this a new well drilled for injection? ____Yes ✓ No

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

2. Name of the Injection Formation: Grayburg

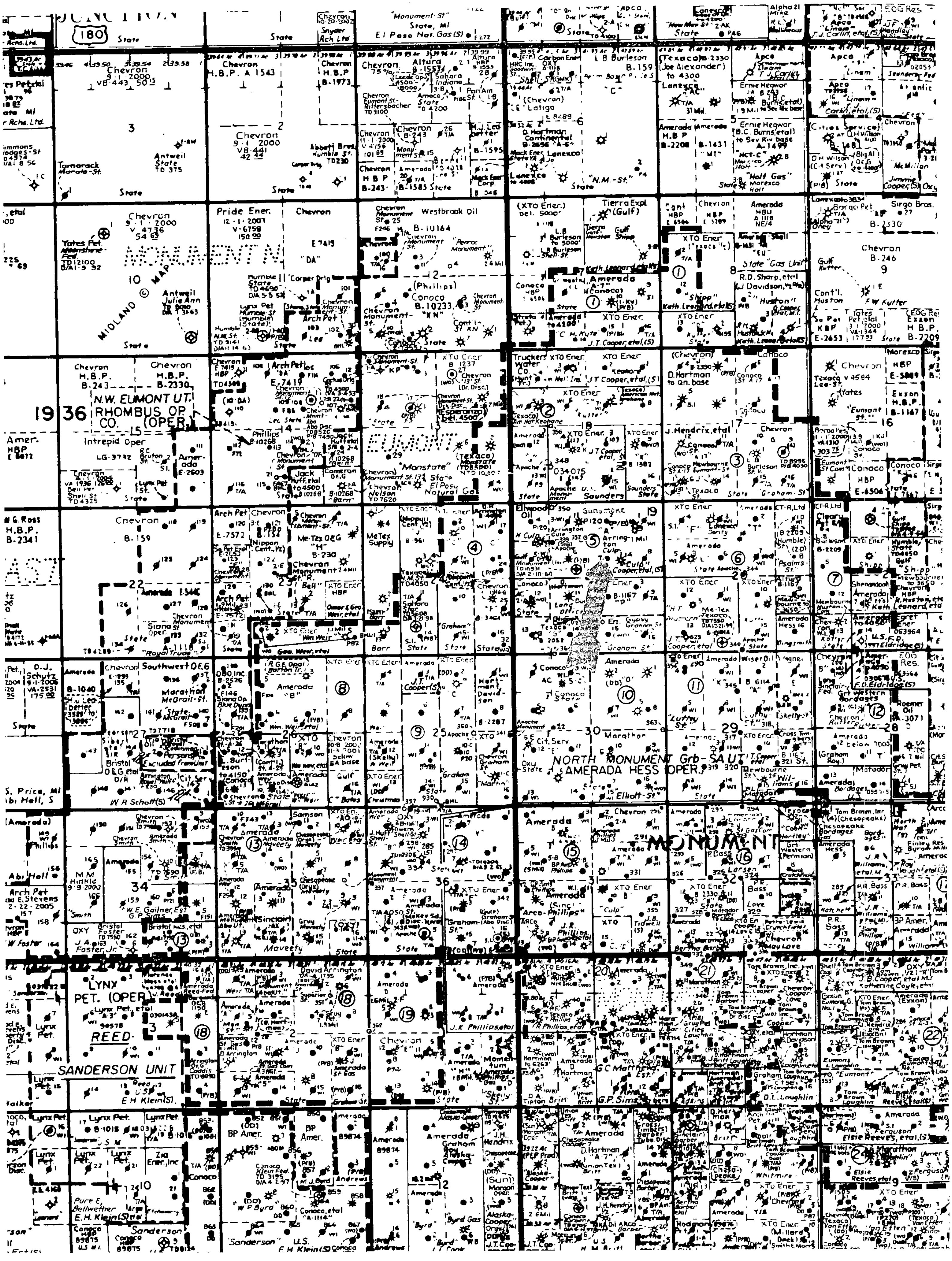
3. Name of Field or Pool (if applicable): Eunice Monument Gray-SA Pool

4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. No, but csg leaks @ 530' & 1550' sqz w/ 587 sx in 1954.

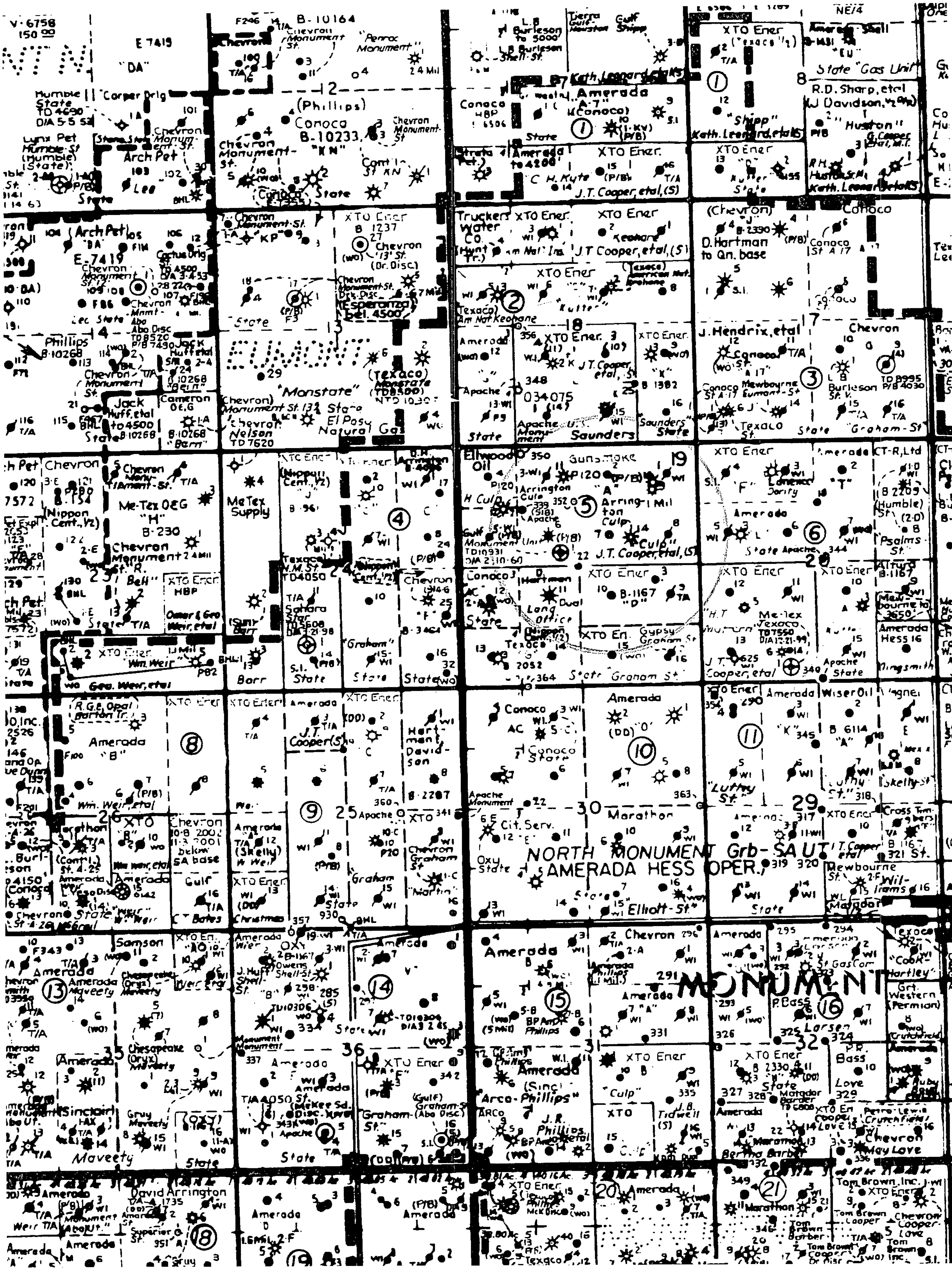
5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

   Underlying = San Andres

   Overlying = Penrose



180
State
Chevron
H.B.P. A 1543
H.B.P.
B-1973
MONUMENT N
MIDLAND MAP
Westbrook Oil
B-10164
Conoco
B-10233
"KN"
N.W. EUMONT UT.
RHOMBUS OP. CO. (OPER.)
Intrepid Oper
EUMONT
Monstate
XTO Ener
Chevron
B-159
Me-Tex O&G
"H"
B-230
Marathon
NORTH MONUMENT Grb-SA UT
AMERADA HESS (OPER.)
MONUMENT
LYNX PET. (OPER.)
REED-SANDERSON UNIT
Amerada
Chevron
E H Klein (S)
Sanderson


V-6758
E 7419
"DA"
B-10164
Chevron Monument St.
"Penrox Monument"
12
(Phillips)
Conoco
B-10233
"KN"
Chevron Monument St.
Humble State TD 4690 D/A 5-5 52
Corper Drlg
Lynx Pet Humble-St (Humble) (State)
Arch Pet
Lee
Cont'l St KN
Conoco State
L.B. Burleson to 5000'
L.B. Burleson Shell-St.
Tierra Gulf-Houston
Gulf Shipp
Kath. Leonard, etal (S)
Amerada "A-7" (Conoco)
Conoco HBP
State
XTO Ener ("Texaco ½")
"Shipp"
Amerada-Shell "EU"
State "Gas Unit"
8
R.D. Sharp, etal (J. Davidson, ½ min)
"Huston"
Strata Pet.
Amerada to 4200'
XTO Ener.
C.H. Kyte
J.T. Cooper, etal, (S)
Kutter State
Kath. Leonard, etal (S)
Arch Pet
"DA"
E-7419
Chevron Monument St. 12
Cactus Drlg St. TD 4500 D/A 3-4-53
Chevron Mnmt- Abo Abo Disc TD 8520 P/B 7490
Lec State
4
Phillips B-10268
Chevron Monument St.
Jack Huff, etal
Jack Huff, etal to 4500
Cameron O.E.G.
B-10268 "Bern"
State
Chevron Monument St. "KP"
XTO Ener B 1237
Chevron "13" St. (Dr. Disc)
Chevron Monument St. Drlg. Disc.
(Esperanza) bel. 4500
State
13
EUMONT
(Texaco) Monstate (TD 8500) NTD 10,307
"Monstate"
Chevron Monument St. 13
State El Paso Natural Gas
Chevron Nelson TD 7620
Truckers Water Co. (Hunt Tr.)
XTO Ener.
XTO Ener
J.T. Cooper, etal, (S)
(Texaco) American Nat. Keohane
XTO Ener
"Kutter"
Texaco Am Nat Keohane
18
Amerada
XTO Ener.
J.T. Cooper, etal, St
034075
Apache
Apache U.S. Monument
Saunders
XTO Ener.
"Saunders" State
B 1382
(Chevron) "J"
B-2390
D. Hartman to Qn. base
Conoco St A 17
Conoco
17
J. Hendrix, etal
Conoco St "A 17"
Conoco St A-17
Mewbourne Eumont-St
Texaco St.
State
Chevron
L.B. Burleson St. V.
TD 8995 P/B 4030
"Graham-St"
Chevron
Me-Tex O.E.G. "H" B-230
Chevron Monument St. R. "Bell"
XTO Ener HBP
Omer & Geo Weir, etal
23
State
XTO Ener Wm. Weir
Geo. Weir, etal
Me Tex Supply
Barr
XTO Ener (Nippon Cent., ½)
Texaco N.M. St. TD 4050
24
Sahara Star TD 5608 D/A 3-21-98
S.I. State
"Graham"
State
Chevron "F"
B-3464
State
Ellwood Oil
Gunsmoke
19
Arrington Culp
"A" Arrington Culp
"Culp"
Gulf Monument Unit TD 10931 D/A 2-10-60
J.T. Cooper, etal, (S)
Conoco AC State
Hartman
Long Office
XTO Ener B-1167 "D"
XTO En. Gypsy Graham St
Texaco
State "Graham St"
XTO Ener
Amerada
"F"
"T"
CT-R, Ltd
B 2209 (Humble) St.
"Psalms" St.
State Apache
20
XTO Ener
XTO Ener
Me-Tex Texaco TD 7550 D/A 12-21-99
Mewbourne to 3650
Amerada Hess 16
J.T. Cooper, etal
Apache State
R.G.E. Opal Barton Tr.
Amerada "B"
Wm. Weir, etal
26
XTO "B"
Chevron 10-8 2002 11-3 2001 below SA base
Amerada (Skelly) W Weir
XTO Ener
Amerada
J.T. Cooper (S)
Hartman Davidson
B-2207
25
XTO
Chevron Graham St
"Graham"
State
"Martin"
Gulf
C.T. Bates
Christmas
Chevron State
Conoco AC
Conoco State
Amerada "O"
Apache Monument
30
Marathon
Cit. Serv.
Oxy State
NORTH MONUMENT Grb-SAUT
AMERADA HESS OPER.
"Elliott-St"
XTO Ener
Amerada
Wiser Oil
B 6114 "A"
"Luthy St."
29
XTO Ener
Cross Timbers
B 1167 321 St.
Mewbourne St.
"Williams"
Matador
State
Samson
XTO En.
Amerada Weir
OXY
J. Huff Shell-St.
Owens Shell-St
Amerada
Amerada Maveety
Chesapeake (Oryx) Maveety
35
(Amerada)
(Sinclair)
Gruy Maveety
(OXY)
Maveety
State
36
Amerada
XTO Ener "F"
(Gulf) Graham-St
Graham-(Abo Disc)
Apache
State
Amerada
Chevron
291
Amerada "A"
BP Amoco Phillips
31
Amerada
(Sinc)
"Arco-Phillips"
ARCo
J.R. Phillips, etal
XTO Ener
"Culp"
XTO
J.B. Tidwell (S)
MONUMENT
Amerada
P. Bass
Larsen
32
XTO Ener
B 2330
State
Matador Barber
Amerada
Marathon
Bertha Barber
P.R. Bass
Love
Texaco "Cook-Hartley"
Grt. Western (Permian)
XTO En Cooper Love
Petro-Lewis Crutchfield
Chevron May Love
David Arrington
Amerada
Monument "AboUt."
Superior O. St.
18
Amerada
19
Amerada
XTO Ener
20
Amerada
Texaco
21
Marathon
Tom Brown Barber
Tom Brown, Inc.
XTO Ener
Tom Brown Cooper
Chevron Cooper Love
Tom Brown Inc.

OPERATOR NAME	LEASE NAME	WELL NUM	LOCATION	FOOTAGE	TYPE	API	SPUD DATE	DRILLER TD	CONSTRUCTION	TOC	COMPLETIONS & COMMENTS
CHEVRON USA	GULF B V NCT-A	8	19 19S 37E	2310 FNL 2239 FWL	SERW	30025056400001	10/28/1959	10931	13 3/8 @ 416' W/ 415 SX	surf	1960- cmt plugs 10800, 10500 & 8800. Tst 8704-14,
									9 5/8 @ 4099 W/ 3275 SX	surf	8673-85 & 5908-18. Shot off 51/2 @ 2930'. **D&A**
									5 1/2 2930-8809 w/ 990 sx	3905	1964- Tst 6014-6512. CIBP @ 5800. Perf 4122-4850.
											WSW for Northwest Eumont Unit
											1977- Sqz cmt between 9 5/8 & 13 3/8 1450' to surf
											Run & set 7 5/8 @ 2885. Cmt to surf.
											1997- **P&A**
APACHE CORP	MONUMENT NORTH GBSA UNIT	503	19 19S 37E	660 FNL 1980 FWL	OIL-WO	30025056410001	8/17/1935	3970	12 1/2 @ 240' W. 225 SX	surf	1935- O.H. 3764-3970
									9 5/8 @ 2698 W/ 800 SX	surf	1987- perf 3766-3804
									7 @ 3764 W/ 150SX	2956	1995- perf 3812-44
									4 1/2 3530-3954 w/ 50 sx (1987)		2001- place on injection
APACHE CORP	MONUMENT NORTH GBSA UNIT	505	19 19S 37E	1980 FNL 660 FWL	OIL	30025056420000	10/7/1935	4040	13 3/8 @ 263' W/ 250 SX	surf	1935- O.H. 3799-4040
									9 5/8 @ 1345 W/ 550SX	surf	1990- perf 3696-3765
									7 @ 3799 W/ 500 SX	1106	1997- place on injection
											2000- sqz 3696-3765
APACHE CORP	MONUMENT NORTH GBSA UNIT	506	19 19S 37E	1980 FNL 1980 FWL	O&G-WO	30025056430001	1/6/1936	4002	12 1/2 @ 285' W/250 SX	surf	1936- O.H. 3813-4002
									9 5/8 @ 1394 W/ 500 SX	surf	1996- plug back to 3888
									7 @ 3813 W/ 450SX	1389	
APACHE CORP	MONUMENT NORTH GBSA UNIT	507	19 19S 37E	1980 FNL 1980 FEL	OIL	30025056440000	2/21/1936	3988	10 3/4 @ 236' W/ 250 SX	surf	1936- O.H. 3762-3988
									7 5/8 @ 1321 W/ 300 SX	190	
									5 1/2 @ 3762 W/ 300 SX	653	
APACHE CORP	MONUMENT NORTH GBSA UNIT	508	19 19S 37E	1980 FNL 660 FEL	OIL	30025056450000	3/1/1936	4000	10 3/4 @ 237 W/ 250 SX	surf	1936- O.H. 3815-4000
									7 5/8 @ 1368 W/ 300 SX	surf	
									5 1/2 @ 3815 W/ 300 SX	906	
APACHE CORP	MONUMENT NORTH GBSA UNIT	502	19 19S 37E	660 FNL 1980 FEL	OIL	30025056460000	4/3/1935	4017	10 3/4 @ 278 W/ 200 SX	surf	1935- O.H. 3810-4017
									7 5/8 @ 1355 W/ 300 SX	surf	1985- plug back to 3894
									5 1/2 @ 3810 W/ 300 SX	901	
APACHE CORP	MONUMENT NORTH GBSA UNIT	501	19 19S 37E	660 FNL 660 FEL	OIL	30025056470000	5/12/1936	4005	10 3/4 @ 274 W/ 200 SX	surf	1936- O.H. 3803-4005
									7 5/8 @ 1368 W/ 300 SX	surf	1996- sqz OH , c/o to 3920
									5 1/2 @ 3803 w/ 300 SX	894	1997- place on injection
APACHE CORP	MONUMENT NORTH GBSA UNIT	515	19 19S 37E	660 FSL 1980 FEL	OIL-WO	30025056480001	2/3/1936	4153	12 1/2 @ 227 W/ 250 SX	surf	1936- O.H. 3784-4153
									9 5/8 @ 1359 W/ 375 SX	surf	1983- SHUTOFF 3924-4153
									7 @ 3784 W/ 400 SX	1629	
APACHE CORP	MONUMENT NORTH GBSA UNIT	511	19 19S 37E	1980 FSL 1980 FWL	O&G-WO	30025056500001	11/7/1935	3990	13 3/8 @ 258 W/ 200 SX	surf	1935- O.H. 3786-3990
									9 5/8 @ 1313 W/ 425 SX	215	1955- PERF 2700-3690 & dual complete
									7 @ 3786 W/ 200 SX	2709	1992- sqz 2700-3690
APACHE CORP	MONUMENT NORTH GBSA UNIT	510	19 19S 37E	1980 FSL 1980 FEL	OIL	30025098820000	2/4/1936	4033	12 1/2 @ 273 W/ 125 SX	surf	1936- O.H. 3773-4033
									9 5/8 @ 1288 W/ 400 SX	surf	
									6 5/8 @ 3773 W/ 225 SX	2561	
SHELL OIL CO	STATE D	2	19 19S 37E	1980 FSL 660 FEL	OIL-WO	30025098830001	3/25/1936	4002	12 1/2 @ 273 W/ 125 SX	surf	1936- O.H. 3742-4002
									9 5/8 @ 1296 W/ 350 SX	surf	2006- **P&A**
									7 @ 3742 W/ 275 SX	2261	
APACHE CORP	MONUMENT NORTH GBSA UNIT	509	19 19S 37E	2307 FSL 990 FEL	OIL-WO	30025262140001	9/19/1979	4010	9 5/8 @ 447 W/ 225 SX	surf	1980- PERF 3874-3904
									7 @ 4010 W/ 300 SX	surf	1981- ADD 3745-3874
ARRINGTON D O&G INC	CULP B V NCT-A	9	19 19S 37E	2040 FSL 1980 FEL	GAS	30025266630000	4/5/1980	3800	8 5/8 @ 378 W/ 300 SX	surf	1980- PERF 3124-3622
									5 1/2 @ 3800 W/ 1050 SX	surf	
ARRINGTON D O&G INC	CULP B V NCT-A GAS COM	10	19 19S 37E	840 FNL 990 FEL	GAS	30025310020000	11/15/1990	3700	8 5/8 @ 1235 W/ 1000 SX	surf	1991- PERF 3486-3661
									5 1/2 @ 3700 W/ 665 SX	600'	1991- Sqz btw 5 1/2 & 8 5/8 to surf
ARRINGTON D O&G INC	CULP B V NCT-A GAS COM	11	19 19S 37E	660 FNL 2310 FWL	GAS	30025313130000	10/5/1991	3750	8 5/8 @ 1285 W/ 425 SX	surf	1991- PERF 3407-3611
									5 1/2 @ 3750 W/ 700 SX	surf	
APACHE CORP	MONUMENT NORTH GBSA UNIT	22	19 19S 37E	2605 FNL 2630 FWL	OIL	30025315850000	7/29/1992	4550	13 3/8 @ 410 W/ 428 SX	surf	1992- PERF 3870-3889
									9 5/8 @ 3673 W/ 1040 SX	surf	
									7 @ 4550 W/ 545 SX	surf	

ARRINGTON D O&G INC	CULP B V	14	19 19S 37E	2000 FNL 1500 FEL	GAS	30025329610000	5/15/1995	3664	8 5/8 @ 434 W/ 250 SX	surf	1995- PERF 3046-3606
									5 1/2 @ 3664 W/ 775 SX	surf	
ARRINGTON D O&G INC	CULP B V	12	19 19S 37E	1322 FNL 990 FWL	GAS	30025329770000	7/12/1995	3710	8 5/8 @ 416 W/ 165 SX	surf	1995- PERF 3065-3653
									5 1/2 @ 3710 W/ 700 SX	surf	
APACHE CORP	MONUMENT NORTH GBSA UNIT	339	19 19S 37E	1430 FNL 1455 FWL	OIL	30025379150000	7/13/2006	4198	8 5/8 @ 392 W/ 300 SX	surf	2006- PERF 3846-3956
									5 1/2 @ 4198 W/ 850 SX	surf	
APACHE CORP	MONUMENT NORTH GBSA UNIT	350	19 19S 37E	190 FNL 1350 FWL	OIL	30025381410000	10/16/2007	4185	8 5/8 @ 392 W/ 300 SX	surf	2006- PERF 3801-4022
									5 1/2 @ 4185 W/ 1000 SX	surf	
APACHE CORP	MONUMENT NORTH GB SA UNIT	352	19 19S 37E	1220 FNL 2490 FWL	OIL	30025383110000	4/11/2007	4110	8 5/8 @ 395 W/ 350 SX	surf	2007- PERF 3870-3898

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 88241-1980

DISTRICT II
P.O. 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. 30-025-05640

5. Indicate Type of Lease STATE ☐ FEE ☒

6. 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.)

7. Lease Name or Unit Agreement Name
B. V. CULP (NCT-A)

1. Type of Well: OIL WELL ☐ GAS WELL ☐ OTHER Water Supply well

2. Name of Operator
Chevron U.S.A. Inc.

8. Well No.
8

3. Address of Operator
P.O. Box 1150, Midland, TX 79702

9. Pool name or Wildcat
WSW:SAN ANDRES

4. Well Location
Unit Letter F : 2310 Feet From The NORTH Line and 2239 Feet From The WEST Line

Section 19 Township 19S Range 37E 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:				SUBSEQUENT REPORT OF:			
PERFORM REMEDIAL WORK	☐	PLUG AND ABANDON	☐	REMEDIAL WORK	☐	ALTERING CASING	☐
TEMPORARILY ABANDON	☐	CHANGE PLANS	☐	COMMENCE DRILLING OPNS.	☐	PLUG AND ABANDONMENT	☒
PULL OR ALTER CASING	☐			CASING TEST AND CEMENT JOB	☐		
OTHER:			☐	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.

WASHED AND MILLED 3156'-3206'. CLEANED OUT 3666'-3975'. PPD 500 SX CL "C" ; TAGGED @ 1961'. PERFD 416' W/4 JHPF. SET CICR @ 354'; SQZD 60 SX CMT BELOW CICR. PULLED OUT OF CICR & PPD CMT TO SURF. DUG OUT CELLAR, CUT OFF WH, INSTALLED DRY HOLE MARKER, CUT OFF ANCHORS.

P&A'D 10/23/97

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

SIGNATURE J. K. Ripley TITLE TECHNICAL ASSISTANT DATE 10/28/97

TYPE OR PRINT NAME J. K. RIPLEY TELEPHONE NO. (915)687-7148

(This space for State Use)

APPROVED BY [illegible] TITLE OIL & GAS INSPECTOR DATE APR 23 1998

CONDITIONS OF APPROVAL, IF ANY:

notify TxP PUN delete acre attached

JCJ [illegible]

Side 1

~~INJECTION~~ WELL DATA SHEET – Plug & Abandon

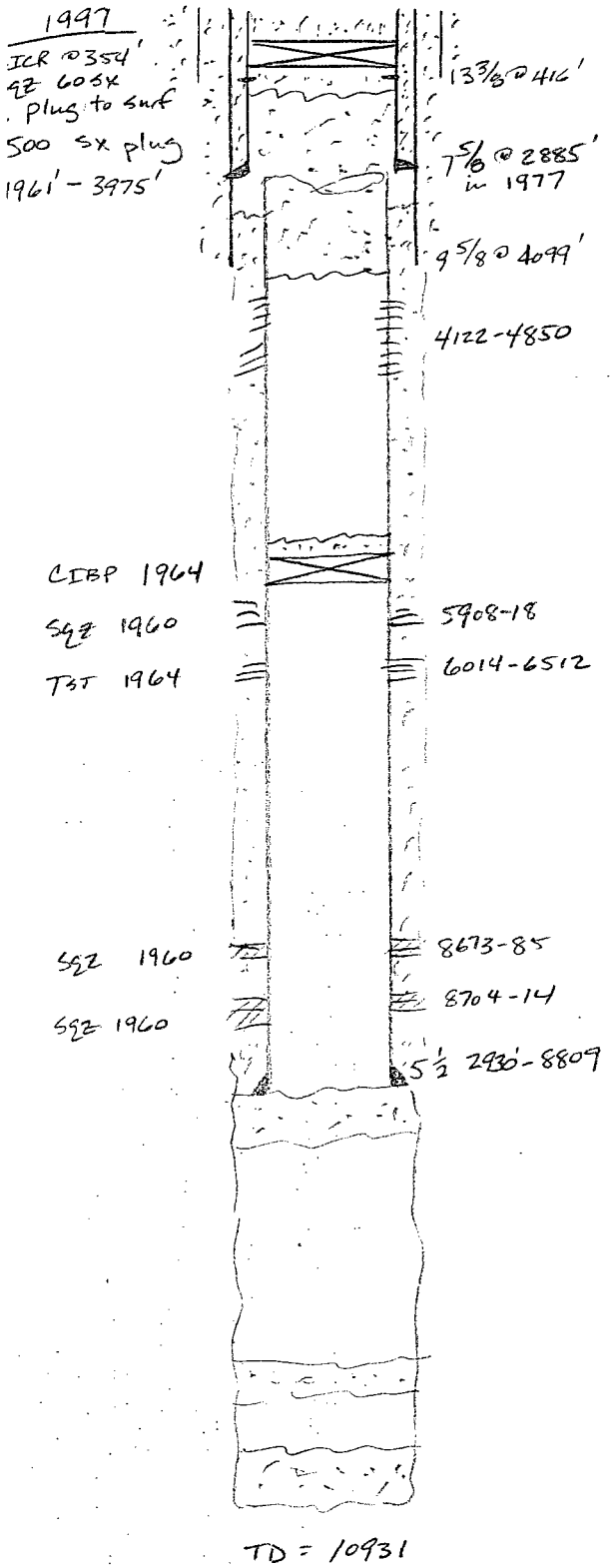
OPERATOR: Chevron USA

WELL NAME & NUMBER: B.V. Culp (NCT-A) #B

WELL LOCATION: 2310 FNL, 2239 FWL | F | 19 | 19S | 37E

FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE

WELLBORE SCHEMATIC



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: _____ Casing Size: 13 3/8

Cemented with: 415 sx. *or* _____ ft³

Top of Cement: Surf Method Determined: circ.

Intermediate Casing

Hole Size: _____ Casing Size: 9 5/8 + 7 5/8 @ 2885'

Cemented with: 3275 sx. *or* _____ ft³ cmt w/ ? circ to surf

Top of Cement: Surf Method Determined: circ.

Production Casing

Hole Size: _____ Casing Size: 5 1/2

Cemented with: 990 sx. *or* _____ ft³

Top of Cement: 3905 Method Determined: calc

Total Depth: 10,931'

Injection Interval

_____ feet to _____

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: _____ Lining Material: _____

Type of Packer: _____

Packer Setting Depth: _____

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

Additional Data

1. Is this a new well drilled for injection? _____Yes _____No

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

2. Name of the Injection Formation: _____

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

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

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

Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 87240
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

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

Form C-103
May 27, 2004

WELL API NO. 30-025-09883
5. Indicate Type of Lease STATE [X] FEE [ ]
6. State Oil & Gas Lease No. B-1167

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.)

7. Lease Name or Unit Agreement Name: State D

1. Type of Well: Oil Well [X] Gas Well [ ] Other
8. Well Number 2
2. Name of Operator: Occidental Permian Limited Partnership
9. OGRID Number 157984
3. Address of Operator: P.O. Box 50250 Midland, TX 79710-0250
10. Pool name or Wildcat: Eumont Yates-7 Rvrs-Qn (Oil)
4. Well Location

Unit Letter I : 1980 feet from the south line and 660 feet from the east line

Section 19 Township 19S Range 37E NMPM County Lea

11. Elevation *(Show whether DR, RKB, RT, GR, etc.)* 3667'

Pit or Below-grade Tank Application [ ] or Closure [ ]

Pit type _____ Depth to Groundwater _____ Distance from nearest fresh water well _____ 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:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK [ ]	PLUG AND ABANDON [ ]	REMEDIAL WORK [ ]	ALTERING CASING [ ]
TEMPORARILY ABANDON [ ]	CHANGE PLANS [ ]	COMMENCE DRILLING OPNS. [ ]	PLUG AND ABANDONMENT [X]
PULL OR ALTER CASING [ ]	MULTIPLE COMPLETION [ ]	CASING TEST AND 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.

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

See Attachment

Received
NOV 2006
Hobbs OCD

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 NMOCD guidelines [ ], a general permit [ ] or an (attached) alternative OCD-approved plan [ ]

SIGNATURE _____ TITLE Sr. Regulatory Analyst DATE 11/16/06

E-mail address: david_stewart@oxy.com

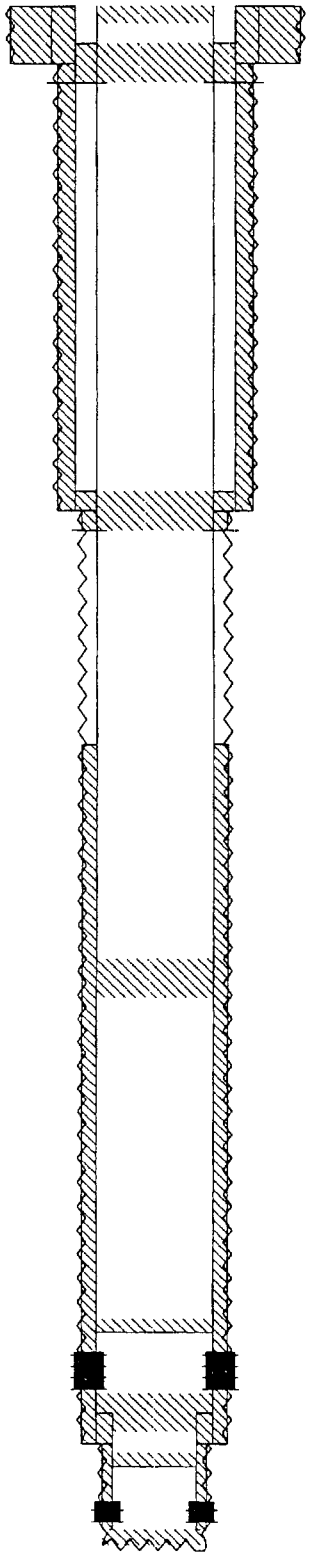
Type or print name David Stewart Telephone No. 915-685-5717

For State Use Only

APPROVED BY Gary W. Wink TITLE OC FIELD REPRESENTATIVE II/STAFF MANAGER DATE NOV 17 2006

Conditions of Approval, if any:

OCCIDENTAL PERMIAN LTD.
STATE D #2
SEC 19 T19S R37E LEA NM



0.0 - 45.0' CEMENT PLUG 10sx

95.0 - 195.0' CEMENT PLUG 45sx

1249.0 - 1349.0' CEMENT PLUG 45sx

2470.0 - 2570.0' CEMENT PLUG 25sx

3415.0 - 3450.0' CEMENT PLUG 8sx

3450.0 - 3450.0' CIBP

3612.0 - 3712.0' CEMENT PLUG 25sx

3765.0 - 3800.0' CEMENT PLUG 2sx

3800.0 - 3800.0' CIBP 2/86

3962.0 - 4002.0' CEMENT PLUG 500sx

TD: 4002'

0.0 - 145.0' 17-1/2" OD HOLE
0.0 - 145.0' CEMENT 120sx-CALC
0.0 - 145.0' 12-1/2" OD SURF CSG

195.0 - 195.0' SQUEEZE PERFS

145.0 - 1299.0' 11-3/4" OD HOLE
0.0 - 1299.0' CEMENT 350sx-CALC
0.0 - 1299.0' 9-5/8" OD INT CSG

1349.0 - 1349.0' SQUEEZE PERFS

1299.0 - 3742.0' 8-3/4" OD HOLE
1912.0 - 3742.0' CEMENT 275sx-CALC
0.0 - 3742.0' 7" OD PROD CSG

3742.0 - 4002.0' 6-1/4" OD HOLE
3662.0 - 3962.0' CEMENT 67sx-CIRC
3662.0 - 3962.0' 5" OD LINER

3501.0 - 3601.0' ABANDONED PERFS QUEEN

3890.0 - 3942.0' ABANDONED PERFS GBSA

ITEM VII OF NEW MEXICO OCD FORM C-108
DATA ON PROPOSED OPERATIONS
NMGSAU #507

1) Proposed average initial injection rate is 600 bwpd.
   Maximum injection rate should not exceed 1,500 bwpd.

2) The injection system will be operated as a closed system.

3) Proposed average initial injection pressure is 750 psi (0.2 psi/ft).
   Proposed maximum pressure will not exceed the pressure limitations ordered by the Division.

4) Source water will come from the San Andres Formation via the NMGSAU injection system.

5) Not Applicable.

ITEM VIII OF NEW MEXICO OCD FORM C-108
GEOLOGIC DATA ON THE INJECTION ZONE & UNDERGROUND DRINKING WATER
NMGSAU #507

The Formation being targeted for water injection is the Grayburg at depths ranging from approximately 3762' to 3988'. The formation is Guadalupian in age and is a sequence of shallow marine carbonates, which have for the most part been dolomatized. A six percent porosity cut off is used to determine "pay" as porosity less than this is considered non-productive at the existing and proposed reservoir pressures and reservoir fluid regimes. Net pay isopach maps show the areal extent of the targeted reservoir. The vertical extent of the reservoir is limited top and bottom by impermeable shales and carbonates. All injected fluids should remain in the reservoir with the exception of cycling to the surface through producing wellbores in the same formation.

Based on communications with the New Mexico States Engineer's Roswell office and a review of online files there are 46 fresh water wells (see attached) in the area of review. The deepest of these wells is 150', which is the assumed base of fresh water. All wellbores involved with the proposed injection program are constructed to not allow injection water into this fresh water source.

ITEMS IX THROUGH XII OF NEW MEXICO OCD FORM C-108
NMGSAU #507

IX The subject wellbore is openhole completed from 3762'-3988' and has been acidized numerous times since 1936. The openhole section will be cleaned out and acidized again during conversion.

X All logging and test data for the existing wellbores already exists on file with the State of New Mexico Oil Conservation Division and will not be resubmitted with this application.

XI It appears the only strata within one mile of our proposed unit which contains water of possible drinking quality is confined to 136' and shallower. No contamination of this drinking water should occur as all existing wellbores which penetrate the Grayburg are constructed as to not allow injection water to escape the system. As a result, no chemical analysis is submitted with this application.

XII After reviewing the geology in a one and one-half mile radius around the proposed injector there appears no evidence of fractures or any hydrologic connection between the zone of injection and any overlying or underlying strata.

POD / SURFACE DATA REPORT 08/02/2007

DB File Nbr	Use	(acre ft per annum) Diversion	Owner	POD Number	Source	(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest) Twn	Rng	Sec	q	q	q	UTM are in Meters) UTM Zone	Easting	Northing	Start Date	Finish Date	Depth Well	Depth (in ft) Water
L 00156	IND	0	VERSADO GAS PROCESSORS, LLC	L 00156	Shallow	19S	37E	18	3	3	1	13	659659	3614218				
L 00157	IND	0	VERSADO GAS PROCESSORS, LLC	L 00157		19S	37E	18	3	3	2	13	659859	3614218				
L 01248	PRO	0	GULF OIL CORPORTION	L 01248		19S	37E	19	1	3	1	13	659672	3613411				
L 01277	MUL	0	GULF OIL CORPORATION	L 01277		19S	37E	18	2	4	1	13	660840	3615027				
L 02033	DOM	0	MONUMENT WATER USERS	L 02033	Shallow	19S	37E	18	1	1	1	13	659640	3615428	09/11/1947	09/12/1947	134	35
L 02596	PRO	3	MAKIN DRILLING COMPANY	L 02596	Shallow	19S	37E	29	3	2		13	661800	3611317	07/20/1954	07/20/1954	50	20
				L 02596 APPRO	Shallow	19S	37E	29	3	2		13	661800	3611317	07/20/1954	07/20/1954	50	20
L 02615	IND	0	VERSADO GAS PROCESSORS, LLC	L 02615	Shallow	19S	37E	18	3	1	2	13	659853	3614621				
L 02917	DOM	3	J.A. MIZE	L 02917		19S	37E	30	4	4	2	13	661101	3611004				
				L 02917 APPRO EXP		19S	37E	30	4	4	2							
L 03905	DOM	3	LILLIE B. LONGNELKER	L 03905	Shallow	19S	37E	30	4	4		13	661002	3610905	08/12/1958	08/12/1958	35	20
				L 03905 APPRO	Shallow	19S	37E	30	4	4		13	661002	3610905	08/12/1958	08/12/1958	35	20
L 03906	DOM	3	ROBET P. III SHORT	L 03906	Shallow	19S	37E	30	4	4		13	661002	3610905	08/11/1958	08/11/1958	35	20
				L 03906 APPRO	Shallow	19S	37E	30	4	4		13	661002	3610905	08/11/1958	08/11/1958	35	20
L 03922	DOM	3	LEON DICKERSON	L 03922	Shallow	19S	37E	29				13	662007	3611513	08/11/1958	08/11/1958	42	22
				L 03922 APPRO	Shallow	19S	37E	29				13	662007	3611513	08/11/1958	08/11/1958	42	22
L 03936	DOM	3	JOY DEE MCKNIGHT	L 03936		19S	37E	30	4	4		13	661002	3610905				
				L 03936 APPRO EXP		19S	37E	30	4	4								
L 03949	DOM	3	ROY L. WHEELER	L 03949	Shallow	19S	37E	29				13	662007	3611513	08/11/1958	08/12/1958	36	18
				L 03949 APPRO	Shallow	19S	37E	29				13	662007	3611513	08/11/1958	08/12/1958	36	18
L 03954	DOM	3	K. W. LITTLE	L 03954	Shallow	19S	37E	30	4	4		13	661002	3610905	08/10/1958	08/10/1958	35	20
				L 03954 APPRO	Shallow	19S	37E	30	4	4		13	661002	3610905	08/10/1958	08/10/1958	35	20
L 03956	DOM	3	DENNIS C. SMITH	L 03956	Shallow	19S	37E	29				13	662007	3611513	08/12/1958	08/13/1958	40	20
				L 03956 APPRO	Shallow	19S	37E	29				13	662007	3611513	08/12/1958	08/13/1958	40	20
L 03976	DOM	3	JIMMY T. COOPER	L 03976		19S	37E	29				13	662007	3611513				
				L 03976 APPRO EXP		19S	37E	29				13	662007	3611513				
L 03995	DOM	3	W. E. COPELAND	L 03995	Shallow	19S	37E	30	4	4		13	661002	3610905	09/26/1958	09/26/1958	35	20
				L 03995 APPRO	Shallow	19S	37E	30	4	4		13	661002	3610905	09/26/1958	09/26/1958	35	20
L 04313	PRO	3	MCVAY AND STAFFORD DRILLING CO	L 04313	Shallow	19S	37E	19	1	1		13	659767	3613715	10/23/1959	10/23/1959	116	52
				L 04313 APPRO	Shallow	19S	37E	19	1	1		13	659767	3613715	10/23/1959	10/23/1959	116	52
L 04799	DOM	3	W.V. WHITAKER	L 04799	Shallow	19S	37E	29	4	4		13	662611	3610926	08/16/1962	08/18/1962	150	
				L 04799 REPAR	Shallow	19S	37E	29	4	4		13	662611	3610926	08/16/1962	08/18/1962	150	
L 04887	SAN	0	HOBBS MUNICIPAL SCHOOLS	L 04887 EXP		19S	37E	29	3	4	4							
L 05300	DOM	3	FIRST BAPTIST CHURCH	L 05300		19S	37E	29	4	4	2	13	662710	3611025	12/04/1964	12/05/1964	55	
L 05545	DOM	0	TED HARSHRARGER	L 05545 EXP		19S	37E	29	3	4	3							
L 05611	MUN	80	MONUMENT WATER USERS COOP.	L 05611	Shallow	19S	37E	18	1	1	1	13	659640	3615428				
L 05790	EXP	0	MONUMENT WATER USERS COOP.	L 05790		19S	37E	29				13	662007	3611513				
L 05995	DOM	3	H. L. STEPHENS	L 05995	Shallow	19S	37E	30	4	4	4	13	661101	3610804	08/03/1966	08/04/1966	40	23
L 06496	DOM	3	O. E. GROVE	L 06496		19S	37E	29	3						04/16/1969	04/17/1969	50	27
L 06933 (E)	PRO	0	GULF OIL CORPORATION	L 06933 (E)	Shallow	19S	37E	17	4	2	3	13	662454	3614443	04/11/1972	04/12/1972	100	65
L 09631 (4)	PRO	0	L. L. ROBINETT	L 09631 (4) EXP		19S	37E	29	4	1		13	662202	3611322				
L 09632 (4)	PRO	0	L. L. ROBINETT	L 09632 (4) EXP		19S	37E	29	4	1		13	662202	3611322				
L 09633 (4)	PRO	0	L. L. ROBINETT	L 09633 (4) EXP		19S	37E	29	4	1		13	662202	3611322				
L 10271 EXPL	EXP	0	INC. SNYDER RANCHES	L 10271 EXPL	Shallow	19S	37E	18	1	1	1	13	659640	3615428	07/10/1992	07/13/1992	137	70
L 10277	STK	3	INC. SNYDER RANCHES	L 10277	Shallow	19S	37E	19	4	2	2	13	661070	3613016	07/08/1992	07/10/1992	70	40
L 10498	STK	3	COOPER JIMMIE T	L 10498		19S	37E	29				13	662007	3611513				

Record Count: 46

LEGAL NOTICE

NOTICE OF APPLICATION FOR FLUID INJECTION WELL PERMIT

APACHE CORPORATION
6120 S. Yale Ave., Suite 1500
Tulsa, OK 74136
ATTN: Kevin Mayes
(918) 491-4900

has applied to the State of New Mexico, Oil Conservation Division, Santa Fe, New Mexico, for a permit to inject fluid into a formation that is productive of oil or gas. The application proposes to inject fluid in the Grayburg formation in the North Monument GSA Waterflood Unit. The proposed injection well is located 1980' FNL and 1980' FEL of Section 19, Township 19 South, Range 37 East. Fluid will be injected into strata correlative to subsurface depth interval from 3,762 feet to 3,900 feet with an expected maximum injection rate of 1,000 barrels of water per day and a maximum surface injection pressure of 700 psi.

Interested parties must file objections or requests for hearing with the State of New Mexico, Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, Telephone (505) 476-3466, within 15 days of publication.

Affidavit of Publication

STATE OF NEW MEXICO)
) ss.
COUNTY OF LEA)

Joyce Clemens being first duly sworn on oath deposes and says that she is Advertisting Director of **THE LOVINGTON LEADER**, a daily newspaper of general paid circulation published in the English language at Lovington, Lea County, New Mexico; that said newspaper has been so published in such county continuously and uninterruptedly for a period in excess of Twenty-six (26) consecutive weeks next prior to the first publication of the notice hereto attached as hereinafter shown; and that said newspaper is in all things duly qualified to publish legal notices within the meaning of Chapter 167 of the 1937 Session Laws of the State of New Mexico.

That the notice which is hereto attached, entitled

Legal Notice

was published in a regular and entire issue of **THE LOVINGTON LEADER** and not in any supplement thereof, for one (1) day, beginning with the issue of August 18, 2007 and ending with the issue of August 18, 2007.

And that the cost of publishing said notice is the sum of $29.86 which sum has been (Paid) as Court Costs.

Gina Fort for Joyce Clemens

Subscribed and sworn to before me this 22nd day of August 2007

Debbie Schilling

Debbie Schilling
Notary Public, Lea County, New Mexico
My Commission Expires June 22, 2010

LEGAL NOTICE

NOTICE OF APPLICATION FOR FLUID INJECTION WELL PERMIT

APACHE CORPORATION
6120 S. Yale Ave.,
Suite 1500
Tulsa, OK 74136
ATTN: Kevin Mayes
(918) 491-4900

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Published in the Lovington Leader August 18, 2007.

TWO WARREN PLACE, SUITE 1500 / 6120 SOUTH YALE / TULSA, OK 74136-4224

Apache CORPORATION

(918) 491-4900
FAX: (918) 491-4853
FAX: (918) 491-4854

August 16, 2007

David H. Arrington Oil & Gas, Inc.
214 W. Texas Ave., Suite 400
Midland, TX 79702-2071

RE: North Monument GSA Unit #507
1980' FNL, 1980' FEL
Sec. 19-T19S-R37E
Lea County, NM

To Whom It May Concern:

Attached is Apache Corporation's application to inject water into the referenced well.

Apache Corporation will be handling this application administratively. Any objections to the application should be filed with the Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, telephone (505) 476-3466, within fifteen (15) days.

If you have any questions regarding this application, please contact me at (918) 491-4972.

Very truly yours,

APACHE CORPORATION

Kevin Mayes
Sr. Engineering Advisor

KM:sa

Enclosures

TWO WARREN PLACE, SUITE 1500 / 6120 SOUTH YALE / TULSA, OK 74136-4224

Apache CORPORATION

(918) 491-4900
FAX: (918) 491-4853
FAX: (918) 491-4854

August 16, 2007

Jimmy T. Cooper
Star Route A, Box 55
Monument, NM 88265

RE: North Monument GSA Unit #507
1980' FNL, 1980' FEL
Sec. 19-T19S-R37E
Lea County, NM

To Whom It May Concern:

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If you have any questions regarding this application, please contact me at (918) 491-4972.

Very truly yours,

APACHE CORPORATION

Kevin Mayes
Sr. Engineering Advisor

KM:sa

Enclosures

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

Jimmy T. Cooper
Star Route A, Box 55
Monument, NM 88265

COMPLETE THIS SECTION ON DELIVERY

A. Received by *(Please Print Clearly)* B. Date of Delivery

C. Signature

X Jimmie T Cooper ☐ Agent ☐ Addressee

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

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

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number *(Copy from service label)*

7006 0810 0001 3466 3975

PS Form 3811, July 1999 Domestic Return Receipt 102595-00-M-0952

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

David H. Arrington Oil & Gas, Inc.
214 W. Texas Ave., Suite 400
Midland, TX 79702-2071

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly) B. Date of Delivery
Sherree Wasser 8-22-07

C. Signature
X Sherree Wasser ☐ Agent ☐ Addressee

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

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

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number *(Copy from service label)* 7006 0810 0001 3466 3982

PS Form 3811, July 1999 Domestic Return Receipt 102595-00-M-0952

SENDER: COMPLETE THIS SECTION

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

1. Article Addressed to:

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

COMPLETE THIS SECTION ON DELIVERY

A. Received by *(Please Print Clearly)*

B. Date of Delivery 8-21

C. Signature

X Gerald Bay

☐ Agent
☑ Addressee

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

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

4. Restricted Delivery? *(Extra Fee)* ☐ Yes

2. Article Number *(Copy from service label)*

7006 0810 0001 3466 3999

PS Form 3811, July 1999 Domestic Return Receipt 102595-00-M-0952

Jones, William V., EMNRD

From: Mayes, Kevin [Kevin.Mayes@usa.apachecorp.com]
Sent: Wednesday, August 29, 2007 3:46 PM
To: Pearcy, Bret; Jones, William V., EMNRD
Subject: FW: WFX Application: 30-025-05644 North Monument Grayburg San Andres Unit Block 5 Well No. 7

No problem Will. We appreciate your efforts.

Brett, will you send the log images to the below contact as soon as possible.

Kevin

-----Original Message-----
From: Jones, William V., EMNRD [mailto:William.V.Jones@state.nm.us]
Sent: Wednesday, August 29, 2007 4:36 PM
To: Mayes, Kevin
Cc: Prichard, Sharon, EMNRD
Subject: RE: WFX Application: 30-025-05644 North Monument Grayburg San Andres Unit Block 5 Well No. 7

Hello Kevin:
Thanks for your quick and detailed responses
Please email any electronic log images that you locate to Sharon Prichard in Hobbs: Sharon.Prichard@state.nm.us
Well name is fine (#507)

will release this to Mark Fesmire on 5 Sept 2007

Regards,
Will Jones

From: Mayes, Kevin [mailto:Kevin.Mayes@usa.apachecorp.com]
Sent: Wednesday, August 29, 2007 2:07 PM
To: Jones, William V., EMNRD
Cc: Ezeanyim, Richard, EMNRD; Williams, Chris, EMNRD; Moreno, Mario; Hanson, Michelle; Pearcy, Bret; Crist, Rick
Subject: RE: WFX Application: 30-025-05644 North Monument Grayburg San Andres Unit Block 5 Well No. 7

Will,
Sorry to hear that David is leaving. Just a little more work load for you. Please find the answers to your questions below in red and let me know anywhere else I can provide assistance.

Kevin Mayes
Sr. Engr Advisor

> -----Original Message-----
> **From:** Jones, William V., EMNRD [mailto:William.V.Jones@state.nm.us]
> **Sent:** Tuesday, August 28, 2007 4:57 PM
> **To:** Mayes, Kevin
> **Cc:** Ezeanyim, Richard, EMNRD; Williams, Chris, EMNRD
> **Subject:** WFX Application: 30-025-05644 North Monument Grayburg San Andres Unit Block 5 Well No. 7
>
> Hello Mr. Mayes:
> After reviewing this application...
>
> 1) This well was approved for Waterflood Expansion injection with WFX-716 (under provisions of R-9596) on 11 July 1997. Were

any of the 8 injection wells approved by this Order injecting continuously since that time? or were you told to re-submit this well for injection approval? (I took this application over from David Catanach since he is retiring from the OCD). To the best of my knowledge none of the 8 wells were converted to injection. Mr. Catanach cited that approval to inject into the subject well expired after one year and told me to resubmit.

2) I found no logs for this well on the OCD web site - please send in copies of any logs you have in your files for this well to Hobbs for scanning. My geologist is looking for images to e-mail. Will this be sufficient or will Hobbs want "hard copies"?

3) Who is the owner of the surface where the well is located? Is Jimmie Cooper the owner or the Lessee? Jimmie Cooper is on the tax roles as the owner of the surface and is why he was given notice.

4) Why is this well needed for injection at this time? Will it fit into a waterflood injection pattern that will increase recovery? Yes, this well is needed to complete a pattern, balance the pattern, balance voidage and will result in significant incremental reserves.

5) The OCD records show this well to be the NMGSAU #7 while your application says NMGSAU #507 and the well files show NMGSAU Blk 5 Well No. 7. What is the real well name and why has the OCD records not been changed to reflect your numbering system? We just acquired this unit from Amerada Hess and the internal numbering system is: first two numbers=tract number and last two numbers=well number, thus 507 is tract 5 well number 7. There are 24 tracts thus there are 24 wells with the number 7 (can be confusing). I looked up the well in your online well file system and indeed it's called North Monument G/SA Unit No. 007. On exhibit "A" to Order WFX-716 from 11 July 1997 it's called NMGSAU No.507 (again very confusing). What is firm is that the subject application is for well with API # 3002505644, located 1980 FNL, 1980 FEL, section 19G, 19S, 37E. I am open to your recommendation as to the formal well name. FYI, with the new wells we are drilling we have gone to sequential numbering but my understanding is the old system was grandfathered in and not changed.

Thanks for your reply to these questions and for the proofs of notice we received recently.

Regards,

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

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

Attachment - C-103

Gulf Oil Corporation - B. V. Culp No. 4-G, 19-19S-37E

Repaired 5-1/2" casing leak as follows:

1. Pulled tubing.
2. Ran 5-1/2" Baker magnesium bridge plug set at 3725'.
3. Ran HRC tool. Found top hole between 531' and 563'. Bottom hole between 1547' and 1579'.
4. Ran 5-1/2" Howco DM cement retainer set at 1606'.
5. Pumped 537 sacks 4% Gel below retainer. Circulated estimated 25 sacks out 7-5/8" bradenhead. Pumped 50 sacks 4% Gel down 10-3/4" casing.
6. Waited on cement.
7. Ran bit to 1606'. Pressured 5-1/2" casing. Pressure dropped from 500# to 200# in 3 seconds.
8. Drilled to 1780'.
9. Perforated 5-1/2" casing at 1650' with 2, 1/2" Jet holes. Perforated 5-1/2" casing at 1325' with 2, 1/2" Jet Holes.
10. Set DM cement retainer at 1247'.
11. Pumped 275 sacks 4% Gel below retainer.
12. Waited on cement.
13. Tested 5-1/2" casing with 500# for 30 minutes. No drop in pressure.
14. Drilled out cement and retainer. Tested 5-1/2" casing with 500# for 30 minutes. No drop in pressure. Drilled out bridge plug.
15. Returned well to production.

District I
PO Box 1980, Hobbs, NM 88241-1980
District II
811 S. 1st Street, Artesia, NM 88210-2834
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
PO Box 2088, Santa Fe, NM 87504-2088

State of New Mexico
Energy, Minerals & Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, NM 87504-2088

Form C-104
Revised February 10, 1994
Instructions on back
Submit to Appropriate District Office
5 Copies

☐ AMENDED REPORT

I. REQUEST FOR ALLOWABLE AND AUTHORIZATION TO TRANSPORT

[1] Operator name and Address	[2] OGRID Number
Amerada Hess Corporation P.O. Box 840 Seminole, Texas 79360-0840	000495
	[3] Reason for Filing Code: Satellite #5 - Eff. 4-24-97.

[4] API Number	[5] Pool Name	[6] Pool Code
30-025-05644	Eunice Monument G/SA	23000
[7] Property Code	[8] Property Name	[9] Well Number
000135	North Monument G/SA Unit Blk. 5	7

II. [10] Surface Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County
G	19	19S	37E		1980	North	1980	East	Lea

[11] Bottom Hole Location

UL or lot no.	Section	Township	Range	Lot. Idn	Feet from the	North/South Line	Feet from the	East/West line	County

[12] Lse Code	[13] Producing Method Code	[14] Gas Connection Date	[15] C-129 Permit Number	[16] C-129 Effective Date	[17] C-129 Expiration Date
P					

III. Oil and Gas Transporters

[18] Transporter OGRID	[19] Transporter Name and Address	[20] POD	[21] O/G	[22] POD ULSTR Location and Description
037480	EOTT Energy Corporation P. O. Box 4666 Houston, Texas 77210-4666	2817166	O	Unit F, Sec. 30, T19S, R37E, NMGSAU Central Facility - 1st LACT Unit.
022628	Texas-New Mexico Pipeline P. O. Box 5568 T.A. Denver, Colorado 80217	2817167	O	Unit F, Sec. 30, T19S, R37E, NMGSAU Central Facility - 2nd LACT Unit.
024650	Warren Petroleum Company, LP 13000430 NW Freeway, Suite 1200 Houton, Texas 77040	2817168	G	Unit F, Sec. 30, T19S, R37E, NMGSAU Central Facility. Battery gas sold thru Warren Meter No. 824.
024650	Warren Petroleum Company, LP 13000430 NW Freeway, Suite 1200 Houston, Texas 77040	2819001	G	Unit J, Sec. 19, T19S, R37E, NMGSAU Satellite No. 5. Warren Gas Meter No. 861.

IV. Produced Water

[23] POD	[24] POD ULSTR Location and Description
2817169	Unit F, Sec. 30, T19S, R37E. Wtr. prod. to NMGSAU Central Fac. for inject.

V. Well Completion Data

[25] Spud Date	[26] Ready Date	[27] TD	[28] PBTD	[29] Perforations

[30] Hole Sie	[31] Casing & Tubing Size	[32] Depth Set	[33] Sacks Cement

VI. Well Test Data

[34] Date New Oil	[35] Gas Delivery Date	[36] Test Date	[37] Test Length	[38] Tbg. Pressure	[39] Csg. Pressure
[40] Choke Size	**[41] Oil**	**[42] Water**	**[43] Gas**	**[44] AOF**	**[45] Test Method**

[46] I hereby certify that the rules of the Oil Conservation Division have been complied with and that the information given above is true and complete to the best of my knowledge and belief.

Signature: R. L. Wheeler Jr.
Printed name: R. L. Wheeler, Jr.
Title: Admin. Svc. Coord.
Date: 4-25-97
Phone: 915 758-6700

OIL CONSERVATION DIVISION

Approved by: ORIGINAL SIGNED BY JERRY SEXTON
DISTRICT I SUPERVISOR
Title:
Approval Date:

[47] If this is a change of operator fill in the OGRID number and name of the previous operator

Previous Operator Signature	Printed Name	Title	Date

Block 5 well No. 7

Injection Permit Checklist 2/8/07

WFX

~~SWD~~ **Order Number** ______ Dates: Division Approved ______ District Approved ______

Well Name/Num: NM GSAU #507 (02007') Date Spudded: ______

API Num: (30-) 025-05644 County: Lea

Footages 1980 FNL/1980 FEL Sec 19 Tsp 19S Rge 37E

Operator Name: APACHE CORPORATION Contact Kevin Mayes

OGRID 873

Operator Address: 6120 S. Yale Ave. SUITE 1500 TULSA, OK 74136

Current Status of Well: ______ Planned Work: ______ Inj. Tubing Size: 2 7/8

	Hole/Pipe Sizes	Depths	Cement	Top/Method
Surface	13 3/4 10 3/4		250 SX	Surf.
Intermediate	9 7/8 7 5/8		300	190' Calc.
Production	6 3/4 5 1/2		300	853 Calc.
Last DV Tool		Csg Leaks @ 530'/1,550'	SQZED w/587 SX in 1954	
Open Hole/Liner				
Plug Back Depth				

Diagrams Included (Y/N): Before Conversion OK After Conversion OK

Checks (Y/N): Well File Reviewed ✓ ELogs in Imaging NONE

approved w (WFX-716)

North Monument Grayburg SA

Intervals:	Depths	Formation	Producing (Yes/No)
Salt/Potash			
Capitan Reef			
Cliff House, Etc:			
Formation Above			
Top Inj Interval	3762		
Bottom Inj Interval	3900		
Formation Below			

752 PSI Max. WHIP

Yes Open Hole (Y/N)

NO Deviated Hole (Y/N)

3762 × .2 = 752.4

Fresh Water: Depths: 0 - 150' Wells(Y/N) Yes Analysis Included (Y/N): ✓ Affirmative Statement ✓

Salt Water Analysis: Injection Zone (Y/N/NA) ______ DispWaters (Y/N/NA) ______ Types: Re-inj.

Notice: Newspaper(Y/N) ✓ Surface Owner ______ Mineral Owner(s) ______

Other Affected Parties: Arrington, Jim Cooper

AOR/Repairs: NumActiveWells 20 Repairs? ______ Producing in Injection Interval in AOR Yes

AOR Num of P&A Wells 0 Repairs? ______ Diagrams Included? Yes RBDMS Updated (Y/N) ______

Well Table Adequate (Y/N) Yes 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 ______

AOR Required Work: ______

Required Work to this Well: ______