In: 6/28/04 Suspense: 7/13/04 WVJ pWVJ0420135985

SWD-932

LEE ENGINEERING

P.O. BOX 10523, MIDLAND, TX 79702 (432) 682-1251

June 24, 2004

Oil Conservation Division
1220 South Francis Drive
Santa Fe, New Mexico 87505

30-025-28396
1984
WFX-522
ALSO OLD ORDER R-4819

Attn: Mr. Will Jones

Re: Request for Administrative Approval
for Water Disposal Well.
State AAC 1 #116
API # 30-025-28396
Section 10 D, T-23-S, R-36-E
Lea County, New Mexico

Dear Mr. Jones:

Please find attached a Form C-108 requesting approval to utilize the State AAC 1 #116 as a salt-water disposal well. If all attachments are satisfactory and no offset Owners object, Mission Resources Corporation respectfully requests approval is granted administratively.

Mission requests permission to inject water into the Queen-Grayburg-San Andres Formations from 3740-5791'. The 2 7/8" cement lined injection tubing will be set at 3700' with a plastic coated 8 5/8" Otis Permalatch Packer.

The maximum anticipated injection rate will be 6000 BWPD with an injection pressure not to exceed 748 PSI. If injection pressures need to be increased, a State witnessed step-rate test will be performed.

If you have any questions, or if I can be of any assistance please do not hesitate to call Ms. Nancy Gatti with Mission Resources (713) 495-3000 or myself at (432)-682-1251.

Sincerely,

Robert Lee

Robert Lee

STATE AAC 1 #116

SALT WATER DISPOSAL WELL

OCD FORM C-108

OPERATOR

MISSION RESOURCES CORPORATION

June 2004

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: _____Secondary Recovery _____Pressure Maintenance __X____Disposal _____Storage
Application qualifies for administrative approval? ___X_____Yes _____No

II. OPERATOR: ____Mission Resources Corporation_____

ADDRESS: _____1331 Lamar, Suite 1455, Houston, Texas 77010-3039_____

CONTACT PARTY: ____Ms. Nancy Gatti_____PHONE: __713-495-3000_____

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).

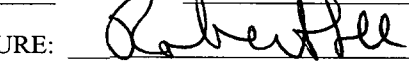
*XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.

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: _____Robert Lee_____TITLE: __Consulting Engineer_____

SIGNATURE:  _____DATE: ____June 15, 2004_____

E-MAIL ADDRESS: _____robertlee5@worldnet.att.net_____

* 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: Mission Resources Corporation

WELL NAME & NUMBER: State AAC 1 #116

WELL LOCATION: 1260 FNL & 1310 FWL D 10 23S 36E
FOOTAGE LOCATION | UNIT LETTER | SECTION | TOWNSHIP | RANGE

WELLBORE SCHEMATIC

SEE ATTACHED DIAGRAM

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17 1/2 Casing Size: 13 3/8" set @ 1350'

Cemented with: 1200 sx. ***or*** _____ ft^3

Top of Cement: Surface Method Determined: Circulated

Intermediate Casing

Hole Size: _____ Casing Size: _

Cemented with: _____ sx. ***or*** _____ ft^3

Top of Cement: _____ Method Determined: _

Injection Casing

Hole Size: 11" Casing Size: 8 5/8" set @ 4000'

Cemented with: 1425 sx. ***or*** _____ ft^3

Top of Cement: Surface Method Determined: Circulated

Total Depth: 4000'

Injection Interval

3740 feet to 3842 feet perforated and 4000 feet to 5791 feet Openhole

(Perforated or Open Hole; indicate which)

INJECTION WELL DATA SHEET

Tubing Size: _____2 7/8"_____Lining Material: ___Cement_____

Type of Packer: _____8 5/8" Plastic Coated Permalatch packer_____

Packer Setting Depth: ___3700'_____

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

Additional Data

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

   If no, for what purpose was the well originally drilled? __Originally drilled as an Abo test. It was a dryhole and subsequently utilized as a Queen Water Injector_____

2. Name of the Injection Formation: ____Queen-Grayburg- San Andres_____

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

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. _Cement plugs were set at 8328-8383, 7756-7906, 7594-7694, 7297-7397, 6650-6750, 5791-5891, 3870-4050. A CIBP was set at 3868'

   _____

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____There are no deeper producing intervals in the Area of Review. The Yates (3117-3322) and Seven Rivers (3323-3640) are productive in the area.

STATE AAC 1 #116
APPLICATION FOR INJECTION
NMOCD Form C-108 Section III

III. Data on injection well(s)

A. Injection well information (see attached schematic)

Tabular data

1. Lease: State AAC 1
Well No: 116
Location: 1260' FNL & 1310' FWL
Section 10
T-23-S, R-36-E
Lea County, NM

2. Casing: 13 3/8", 48#/ft, surface csg. @ 1350' in 17 1/2" hole, cemented w/1200 sx. TOC @ surface, circulated.
8 5/8", 24 & 32#/ft, csg. @ 4000' in 11" hole, cemented w/1425 sx., circulated.

3. Injection tubing: + or - 115 jts 2 7/8", 4.6 lb/ft, J-55 Rice Duoline internally cement lined tubing set @ 3740'.

4. Packer: A plastic coated 8 5/8" Otis Permalatch Packer set at 3700'.

B. Other well information

1. Injection formation: Queen- Grayburg- San Andres
Field: Langlie Mattix

2. The injection intervals are:
3740-3842 (Perfs)
4000-5791 (Openhole)

3. This well was drilled as an Abo test in 1983. It was dry in the Abo and plugged back to 3868' and completed as an injection well in the Queen from 3740-3842.

4. There are no other perfed or tested intervals in this well.

5. There is production from upper zones, Yates (3117-3323) & Seven Rivers (3323-3640), within this area. There is no production from lower zones in the area.

STATE A A/C-1 #116

CURRENT WELLBORE DIAGRAM

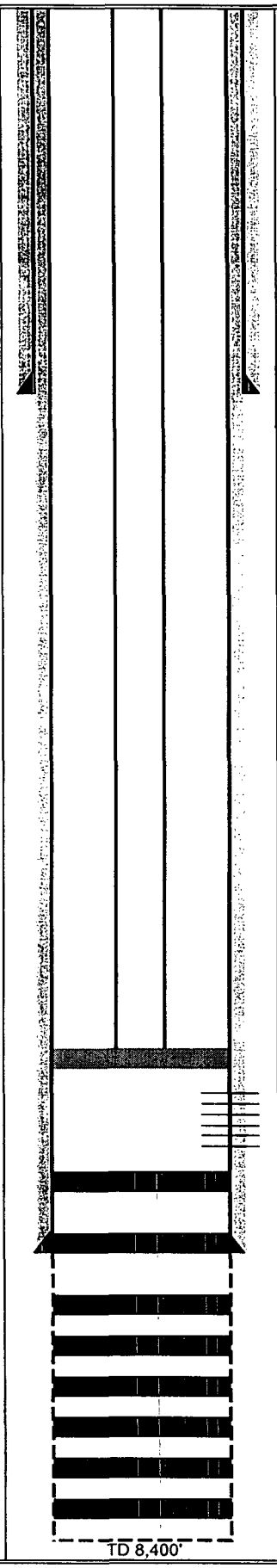
MISSION RESOURCES INC

SU-T-R	10D-23S-36E	**API #:**	30-025-28396
POOL:	LANGLIE MATTIX-7RVRS-QUEEN-GRAYBURG		
CO, ST:	LEA, NEW MEXICO	**LAND TYPE:**	STATE
STATUS:	T&A		
LATEST RIG WORKOVER:			
DIAGRAM REVISED:	6/12/2004 BY JAN		

LOG ELEVATION:	N/R
GROUND ELEVATION:	' 3480'

	CASING			LINER	TUBING
Hole					
Pipe	13 3/8"	8 5/8"			2 3/8"
Weight	48#	24 & 32#			
Grade					cmt lined
Thread					
Depth	1,350'	4,000'			3612'
Mud wt					

FORM	TOP
TANSILL	2,968'
YATES	3,117
7 RVRS	3,323'
QUEEN	3,740'
G-BURG	3,937'
S A	4,363
Glor	5,841
Blinbry	6,702
Tubb	7,347
Drinkard	7,646
Abo	7,855
Wolfcamp	8,300



13 3/8" @ 1,350'
w/1200 sx Cmt
Circulate 417 sxs.

Pkr @ 3,612'
3666-3726', perf'd, tested, and sqz'd.
Perf: 3740-86', reperf 3740-65' 15 holes
Perf: 3802-3831' 24 holes
Perf: 3834-42' 9 holes

CIBP @ 3,868' on 1/84 w/2 sxs cmt on top
PBD 3860'

8 5/8" @ 4,000' w/1425 sx Cmt; Cir. 109 sxs
Cmt. Plug 3950-4050 35 sxs;

Cmt. Plug 5791-5891 35 sxs

Cmt. Plug 6650-6750 35 sxs

Cmt. Plug 7297-7397 35 sxs

Cmt. Plug 7594-7694 35 sxs

Cmt. Plug 7756-7906 50 sxs

Cmt. Plug 8283-8383 35 sxs

QUEEN ZONE HISTORY

Spud. **12/83** Deep Abo test.
1/84 Set plugs: 8283-8383', 7756-7906', 7594-7694', 7297-7397', 6650-6750', 5791-5891', 3870-4050'
Set CIBP @ 3,868' w/2 sx.
3/84 Perforated 3,834-42'
Acidized w/600 gal
Perforated 3,802-3,831'
Acidized w/1600 gal
Perforated 3,740-86'
Acidized w/2500 gal
Perforated 3,666-3,726'
Acidized w/2500 gal; Tested 0 BO, 129 BW
Squeeze 3,666-3,726'.
Reperforate 3,740-3,765'

10/92 Load annulus w/Field SW. Tst csg to 500 psi, OK

Casing tested 10/97 & 3/03.
In hole:
8-5/8" OTIS Permalatch Packer set at 3617'.
40000# shear
2-3/8" cmt. lined tubing

STATE A A/C-1 #116

PROPOSED WELLBORE DIAGRAM

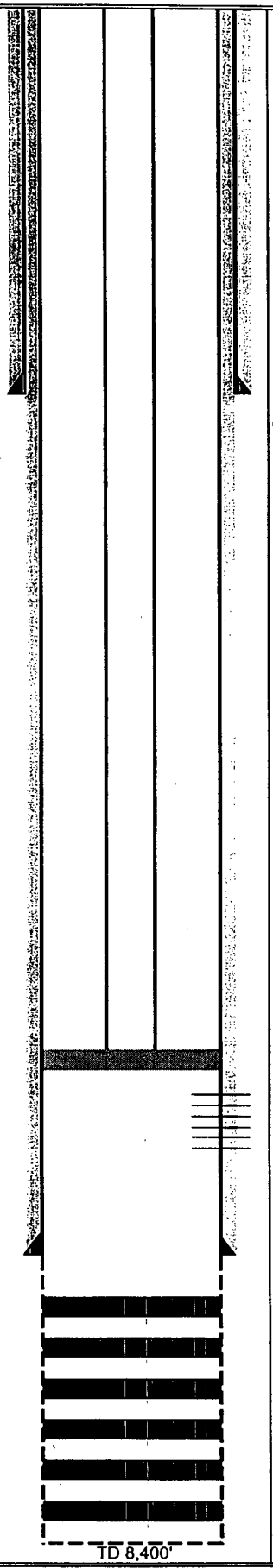
MISSION RESOURCES INC

SU-T-R	10D-23S-36E	**API #:**	30-025-28396
POOL:	LANGLIE MATTIX-7RVRS-QUEEN-GRAYBURG		
CO, ST:	LEA, NEW MEXICO	**LAND TYPE:**	STATE
STATUS:	T&A		
LATEST RIG WORKOVER:			
DIAGRAM REVISED:	6/12/2004 BY JAN		

LOG ELEVATION:	N/R
GROUND ELEVATION:	' 3480'

	CASING		LINER	TUBING
Hole				
Pipe	13 3/8"	8 5/8"		2 7/8"
Weight	48#	24 & 32#		
Grade				cmt lined
Thread				
Depth	1,350'	4,000'		3700'
Mud wt				

FORM	TOP
TANSILL	2,968'
YATES	3,117
7 RVRS	3,323'
QUEEN	3,740'
G-BURG	3,937'
S A	4,363
Glor	5,841
Blinbry	6,702
Tubb	7,347
Drinkard	7,646
Abo	7,855
Wolfcamp	8,300



13 3/8" @ 1,350'
w/1200 sx Cmt
Circulate 417 sxs.

Pkr @ 3,700'
3666-3726', perf'd, tested, and sqz'd.
Perf: 3740-86', reperf 3740-65' 15 holes
Perf: 3802-3831' 24 holes
Perf: 3834-42' 9 holes

8 5/8" @ 4,000' w/1425 sx Cmt; Cir. 109 sxs

Cmt. Plug 5791-5891 35 sxs

Cmt. Plug 6650-6750 35 sxs

Cmt. Plug 7297-7397 35 sxs

Cmt. Plug 7594-7694 35 sxs

Cmt. Plug 7756-7906 50 sxs

Cmt. Plug 8283-8383 35 sxs

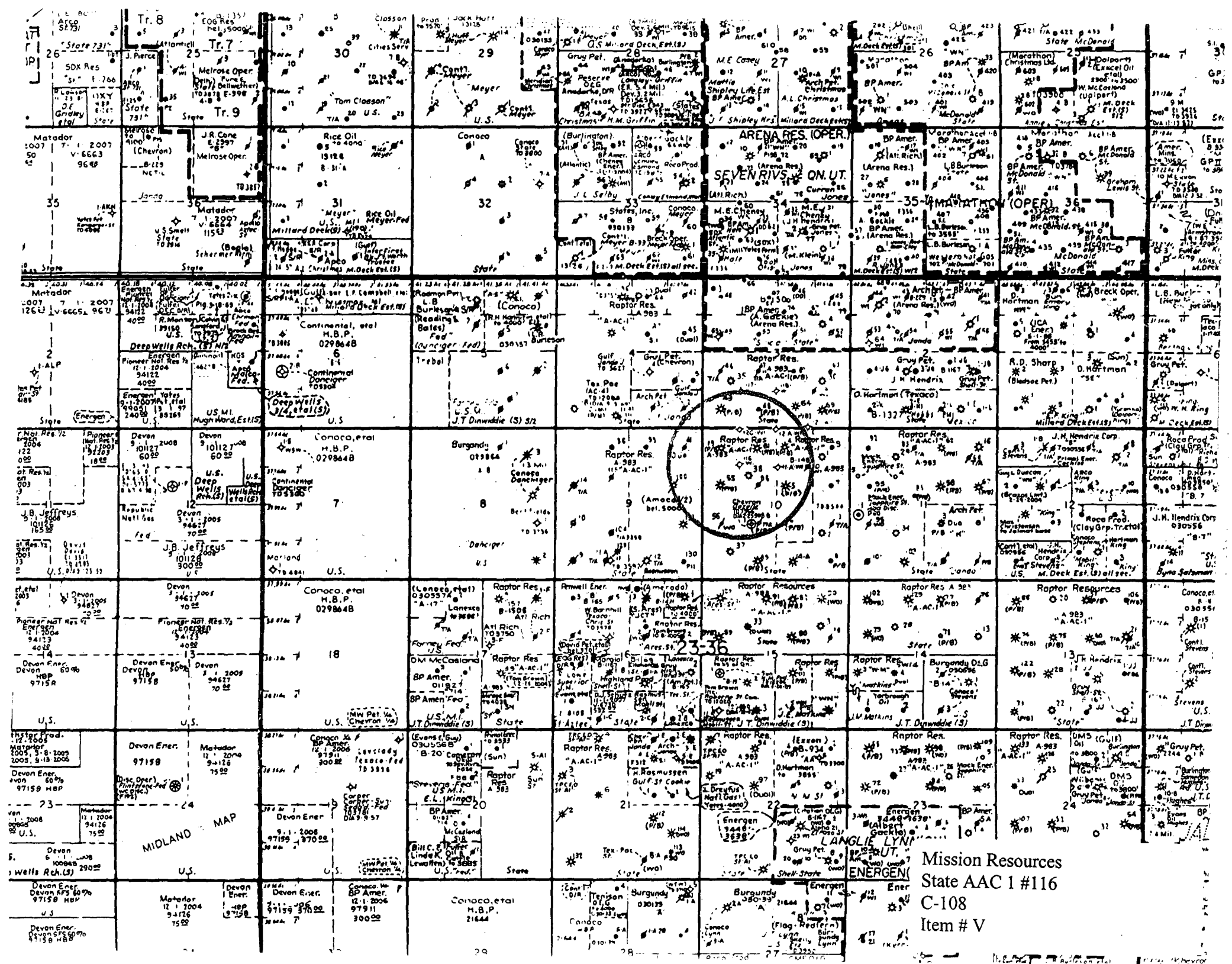
QUEEN ZONE HISTORY

Spud. **12/83** Deep Abo test.
1/84 Set plugs: 8283-8383' , 7756-7906', 7594-7694', 7297-7397', 6650-6750', 5791-5891', 3870-4050'
Set CIBP @ 3,868' w/2 sx.
3/84 Perforated 3,834-42'
Acidized w/600 gal
Perforated 3,802-3,831'
Acidized w/1600 gal
Perforated 3,740-86'
Acidized w/2500 gal
Perforated 3,666-3,726'
Acidized w/2500 gal; Tested 0 BO, 129 BW
Squeeze 3,666-3,726'.
Reperforate 3,740-3,765'

10/92 Load annulus w/Field SW. Tst csg to 500 psi, OK

Casing tested 10/97 & 3/03.
In hole:
8-5/8" OTIS Permalatch Packer set at 3617'.
40000# shear
2-3/8" cmt. lined tubing

Propose to drill out plugs at 3868' & 3950'.
Set 8 5/8 OTIS Perma Latch packer at 3700'
on 2 7/8" cement lined tubing.


MIDLAND MAP
SEVEN RIVS, ON. UT.
ARENA RES. (OPER.)
MATADOR (OPER)
Raptor Res.
Raptor Resources
Mission Resources
State AAC 1 #116
C-108
Item # V

Mission Resources C-108 ITEM VI

	OPERATOR	CURRENT WELL NAME	API # 30-025	LOC'N	S-T-R T-23-S R-36-E	STATUS	SPUD DATE	COMP DATE	TD	PBTD	ZONE	CASING PROGRAM	TOC	COMP. INTERVAL	TRTMT.	IP
1	Mission Resources	AAC 1 #43	9236	660 FSL 660 FWL	3	Active	12/1/1957	12/1/1957	3825'	3650'	Yates- 7 Rivers	9 5/8" @ 315' w/ 300 sx 7" @ 3824 w/ 200 sx	Surf. 2875'	3153-3595'	3700 gal MA Frac w/ 48 Mgal & 190 M#	0 BOPD 324 MCFPD
2	Mission Resources	AAC 1 #48	9233	660 FSL 1980 FWL	3	Active	3/1/1959	3/1/1959	3800'	3670'	Yates- 7 Rivers	8 5/8" @ 325' w/ 300 sx 5 1/2" @ 3800 w/ 250 sx	Surf. 2575'	3120-3582	2000 gal MA Frac w/ 69.7 Mgal & 196 M	0 BOPD 432 MCFPD
3	Mission Resources	AAC 1 #117	28512	1395 FSL 1345 FWL	3	T&A	3/84	3/84	3830'	3815'	Queen	8 5/8" @ 435' w/275 sx 5 1/2" @ 3830' w/250 sx	Surf Surf	3652-3796'	3500 gal 15%	Inj Well TA
4	Mission Resources	AAC 1 #41	9285	660 FNL 660 FEL	9	P&A	11/4/1957	12/1/1957	3800'	NA	Yates- 7 Rivers	9 5/8" @ 309' w/300 sx 7" @ 3799' w/200 sx	Surf 2810'	3738-3764'	Frac 20 Mgal & 20 M #	2245 MCF 0 BO
5	Mission Resources	AAC 1 #100	9279	1980 FNL 990 FEL	9	P&A	11/28/1960	12/13/1960	3760'	NA	Yates- 7 Rivers	9 5/8" @ 318' w/300 sx 7" @ 3705' w/250 sx	Surf 2220'	3191-3690'	Frac 20 Mgal 15% 20 Mgal gel & 35 M #	1332 MCF 0 BO
6	Mission Resources	AAC 3 #12	28511	25 FN 2615 FE	10	T&A	4/12/1984	4/21/1984	3810'	3805'	Queen	8 5/8" @ 435' w/275 sx 5 1/2" @ 3810' w/250 sx	Surf Below DV @ 2805'	3651-3804'	4500 gal	4600 MCF Inj Well TA
7	Mission Resources	AAC 3 #10	28509	1345 FN 2615 FE	10	T&A	2/6/1984	2/84	3800'	3790'	Queen	8 5/8" @ 457' w/275 sx 5 1/2" @ 3800' w/850 sx	Surf 2750'	3655-3710'	4000 gal 15% NEFE	15 BO 10 MCF
8	Mission Resources	AAC 3 #4	9300	660 FNL 2310 FEL	10	Active	2/19/1960	2/27/1960	3729'	3690'	Yates- 7 Rivers	9 5/8" @ 320' w/300 sx 5 1/2" @ 3677' w/250 sx	Surf 2380'	3059-3668'	3000 gal 15% Frac 160 M #	120 MCF 0 BO
9	Mission Resources	AAC 3 #11	28510	1345 FN 2615 FE	10	T&A	4/84	5/1/1984	3800'	3791'	Queen	8 5/8" @ 445' w/275 sx 5 1/2" @ 3800' w/250 sx	Surf Surf	3642-3754'	4500 gal NEFE HCL	Inj Well TA
10	Mission Resources	AAC 1 #81	9295	660 FNL 1980 FWL	10	Active	1/60	1/60	3780'	3590'	Yates- 7 Rivers	9 5/8" 326' w/300 sx 7 " @ 3681' w/250 sx	Surf 2180'	3083-3276'	Frac 37 Mgal 40# linear & 104 tons CO2 & 183 M#	0 BO 39 MCF
11	Mission Resources	AAC 1 #120	28515	25 FNL 1345 FW	10	T&A	3/84	4/84	3850'	3840'	Queen	8 5/8" @ 442' w/275 sx 5 1/2" @ 3850' w/250 sx	Surf Surf	3666-3798'	4000 gal 15% NEFE HCL	Inj Well TA
12	Mission Resources	AAC 1 #49	9292	660 FNL 660 FWL	10	In-Active	3/59	3/59	3800'	3680'	Yates- 7 Rivers	8 5/8" @ 330' w/300 sx 5 1/2" @ 3799' w/250 sx	Surf 2665'	3159-3638'	Frac 47 Mgal gel & 104 M# 1000 gal 15%	0 BO 169 MCF
13	Mission Resources	AAC 1 #116	28396	1260 FN 1310 FW	10	T&A	12/83	1/84	8400'	3868'	Queen	13 3/8" @ 1350' w/1200 sx 8 5/8" @ 4000' w/1425 sx	Surf Surf	3740-3842'	2500 gal	Inj Well TA
14	Mission Resources	AAC 1 #55	9293	1980 FNL 660 FWL	10	Active	3/59	3/59	3800'	3789'	Yates- 7 Rivers	8 5/8" @ 333' w/300 sx 5 1/2" @ 3799' w/250 sx	Surf 2520'	3140-3244'	3000 gal 15% Frac 27 Mgal gel & 90 M#	0 BO 225 MCF
15	Mission Resources	AAC 1 #86	9296	1980 FNL 1980 FWL	10	T&A	3/60	4/60	3696'	3600'	Queen	9 5/8" @ 314' w/300 sx 7" @ 3660' w/250 sx	Surf 2215'	3693-96'	Vibro-frac 10 Mgal oil & 10 M #	66 BO 166 MCF in 8 hrs
16	Mission Resources	AAC 1 #38	9291	1650 FNL 1650 FWL	10	T&A	3/53	4/53	3250'	2850'	Tansill Yates	9 5/8" @ 374' w/300 sx 7" @ 2942' w/1156 sx	Surf Surf	2942-3250'	1500 gal 15%	11 BO 140 MCF
17	Mission Resources	AAC 3 #5	9303	1980 FNL 3210 FEL	10	Active	5/17/1960	5/60	3698'	3340'	Yates- 7 Rivers	8 5/8" @ 320' w/300 sx 5 1/2" @ 3638' w/250 sx	Surf 2255'	3024-3178'	2000 gal 15% Frac 24 Mgal gel & 74 M#	0 BO 248 MCF

18	Mission Resources	AAC 3 #6	9302	1980 FSL 2310 FEL	10	P&A	8/60	8/60	3695'	NA	Yates- 7 Rivers	8 5/8" @ 300' w/300 sx 5 1/2" @ 3631' w/250 sx	Surf 2140'	2954-3065'	1400 gal 15% NEFE 55 Mgal gel & 219 M #	TSTM
19	Mission Resources	AAC 1 #88	9297	1980 FSL 1980 FWL	10	T&A	4/20/1960	5/7/1960	3678'	3000'	Yates- 7 Rivers	9 5/8" @ 320' w/300 sx 7" @ 3625' w/250 sx	Surf 2106'	3392-3568'	1000 gal 15% Frac 25 M gal gel 25 M #	0 MCF 460 BWPD
20	Mission Resources	AAC 1 #56	9294	1980 FSL 660 FWL	10	P&A	4/59	5/59	3765'	NA	Queen	8 5/8" @ 340' w/300 sx 5 1/2" @ 3764' w/250 sx	Surf 2635'	3467-3565'	1400 gal	
21	Chevron	Gazelle #1	34273	1980 FS 1718 FW	10	P & A	2/9/1998	8/98	7966'	7966'		11 3/4" @ 400' w/300 sx 8 5/8" @ 3950' w/900 sx 5 1/2" @ 7797' w/300 sx	Surf Surf 600'	NA	NA	NA

GAZELLE #1

CURRENT WELLBORE DIAGRAM

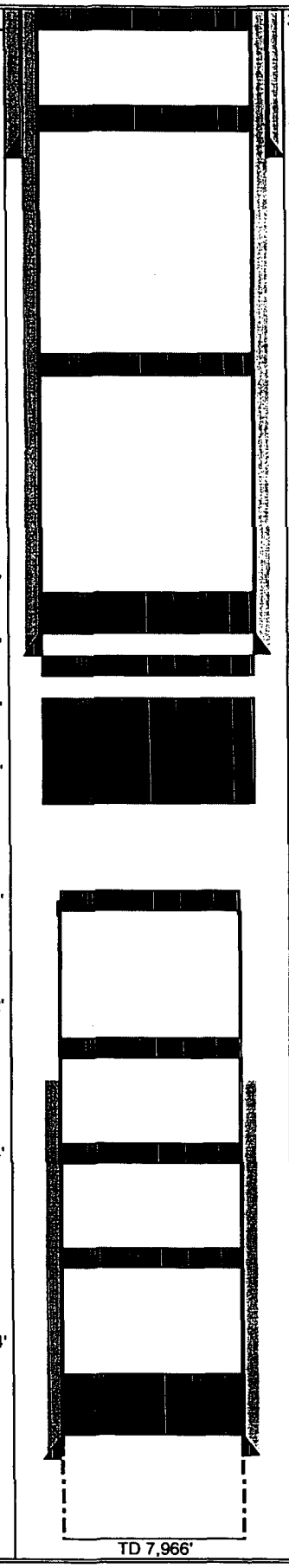
CHEVRON USA

SU-T-R	10K-23S-36E	**API #:** 30-025-34273
POOL:	WILDCAT	
CO, ST:	LEA, NEW MEXICO	
STATUS:	P&A	

LOG ELEVATION: N/R
GROUND ELEVATION: 3,439'

CASING			
Hole	14 3/4"	11"	7 7/8"
Pipe	11 3/4"	8 5/8"	5 1/2"
Weight	42#	24#	15.5#
Depth	400'	2,950'	7,797'
Cmt	300	900	300

FORM	TOP
T Salt	1,349'
B Salt	2,910'
Yates	2,959'
Queen	3,624'
Grbg	3,824'
SA	4,492'
Glor	5,792'
Blinbry	6,354'
Abo	7,764'



30 sx @ 100-surface

30 sx @ 450-340'

11 /34" @ 400'
w/300 sx Cmt, circ

30 sx @1250-1140'

75 sx @ 3000-2797'

8 5/8" @ 2,950' w/900 sx cmt, circ
35 sx @ 3200-3100'

100 sx @ 3860-3560'

25 sx @ 4591-4441'
Cut 5 1/2" csg @ 4,541'

25 sx @ 5900-5654'

TOC @ 6000'

25 sx @ 6400-6203'

25 sx @ 7050-6853'

60 sx on top of CICR

CICR @ 7,749', sqz w/100 sx
5 1/2" @ 7,797' w/300 sx Cmt

P&A PROCEDURE
Set CICR @ 7,740', sqz w/100 sx
Spot 60 sx cmt on top CICR
Spot 25 sx cmt @ 7050-6853'
Spot 25 sx cmt @ 6400-6203'
Spot 25 sx cmt @ 5900-5654'
Cut & pulled 5 1/2" csg @ 4541'
Spotted 25 sx cmt @ 4591-4441'
Spotted 100 sx cmt @ 3860-3560'
Spotted 35 sx cmt @ 3200-3100'
Spotted 75 sx cmt @ 3000-2797'
Spotted 30 sx cmt @ 1250-1140'
Spotted 30 sx cmt @ 450-340'.
Spotted 30 sx cmt @ 100-surface

AAC-3 #6

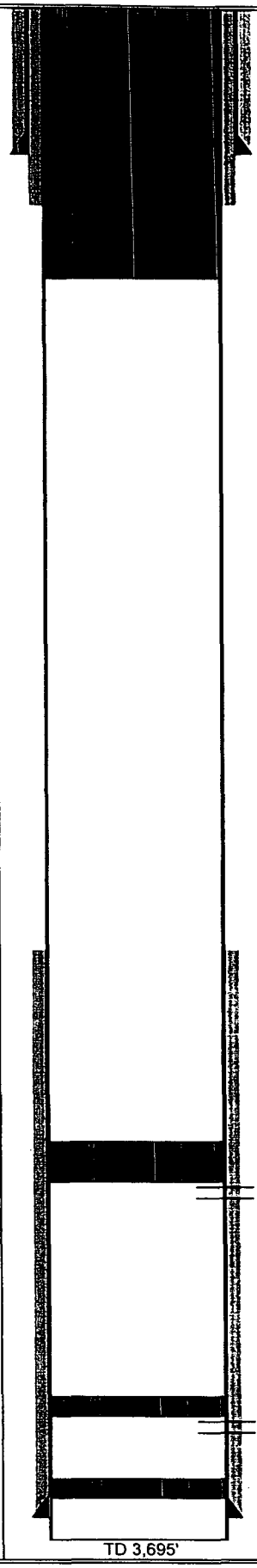
CURRENT WELLBORE DIAGRAM

MISSION RESOURCES INC

SU-T-R	10J-23S-36E	**API #:**	30-025-09302
POOL:	JALMAT;TAN-YATES-7 RVRS (PRO GAS)		
CO, ST:	LEA, NEW MEXICO	**LAND TYPE:**	STATE
STATUS:	P&A	**ACREAGE**	40.12
LATEST RIG WORKOVER:			
DIAGRAM REVISED:	2/2/2004 BY		

LOG ELEVATION:	N/R
GROUND ELEVATION:	3,435'

FORM	TOP
YATES	2,954'
7 RVRS	3,148'
QUEEN	3,549



8 5/8" @ 300'
w/300 sx Cmt
Hole 390' circ cmt to surf.

Cmt plug 402' to surf.

12/94 P&A Well
10 ppg gelled brine
Cmt plug 402' to surf.

TOC @ 2,140' by Temp Log

CIBP @ 2,900' on 9/94 w/35' cmt
Perfs: 2,954-3,065'

CIBP @ 3,420' on 10/90
Perfs: 3,456-3,602'

CIBP @ 3,610' on 2/71
5 1/2" @ 3,631' w/250 sx Cmt

CASING			LINER	TUBING
Hole	12 1/4"	7 7/8"		
Pipe	8 5/8"	5 1/2"		
Weight	24#	14#		
Grade				
Thread				
Depth	300'	3,631'		
Mud wt				

LOGS			
Sonic			1960
Electrical			1960
Comp. Neutron			1990
Perforating			1990
Perforating			1960

TAN-YATES-7 RVRS ZONE HISTORY

10/90 Recompleted from Queen
Perforated 2,954-3,065'.
Acidized w/1400 gal 15% NEFE.
Frac w/55,000 gal gel & 219,000# sand.
9/94 LD tbg & rods. Set CIBP @ 2,900' w/35' cmt
12/94 P&A well

OPPORTUNITY

QUEEN ZONE HISTORY

8/60 Spud. **8/60** Initial Completion
8/60 Vitro-frac w/3 #3 shots
8/60 Frac OH w/10,000 gal oil & 10,000# sand.
IPF 80 BO, 200 BW in 8 hrs
2/71 Perforated 3,456-3,602'.
Acidized w/1750 gal NE 15%.
Frac w/20,000 gal gel & 30,000# sand
CIBP set @ 3,610'
6/1/68 T&A well
6/80 Squeeze hole @ 390'. Circ cmt to surf. Not completely sealed. 1/2 BPM @ 450 psi. POP
7/3/80 P/24 hrs 0 BO, 102 BW, 80 MCF
10/90 Finished squeezing leak @ 390'. Set CIBP @ 3,420'.

[X] OCD file [X] Well File

Current

STATE A A/C-1 #41

CURRENT WELLBORE DIAGRAM

MISSION RESOURCES

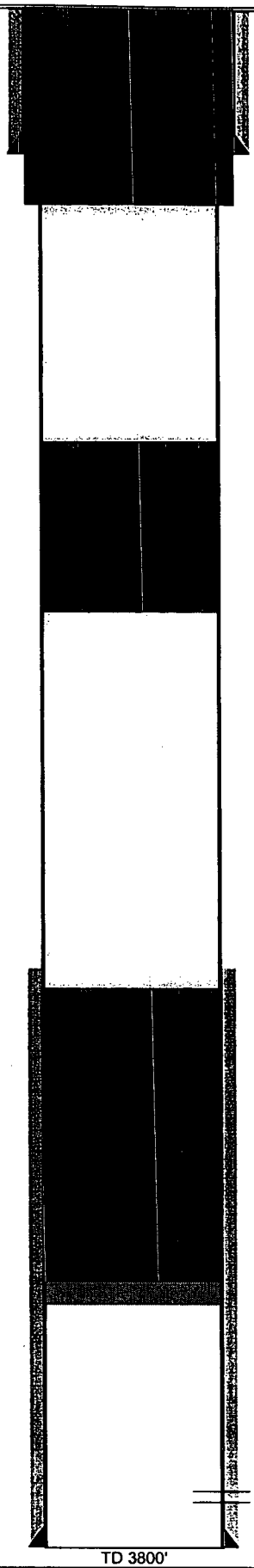
SU-T-R	9A -23S-36E	**API #:**	30-025-09285
POOL:	JALMAT;TAN-YATES-7 RVRS (PRO GAS)		
CO, ST:	LEA, NEW MEXICO	**LAND TYPE:**	STATE
STATUS:	P&A	**ACREAGE**	
LATEST RIG WORKOVER:			
DIAGRAM REVISED:	5/11/2004 BY JAN		

LOG ELEVATION:	N/R
GROUND ELEVATION:	3493'

	CASING		LINER	TUBING
Hole	12-1/4"	8-3/4"		
Pipe	9 5/8"	7"		
Weight	32#	20#		
Grade				
Thread				
Depth	309'	3,799'		
Mud wt				

LOGS		
Gamma Neutron		11/57
Laterolog		11/57
Perforating		11/57
Temperature Survey		11/57

FORM	TOP
YATES	3,197'
7 RVRS	3,406'
QUEEN	NDE



9 5/8" @ 309'
w/300 sx Cmt
Perf @ 320'

Cored 3,211-3,409' (Yates Interval)

DST #1 3180-3307
DST #2 3650-3800

Cmt plug 2340-2496'

P&A
Spot balanced plug from 2870 - 3397' - 100 sxs.
Load hole w/ 10# brine.
Spot balanced plug from 2340 - 2496' - 25 sxs.
Perforate 7" @ 320'. Circulate cmt in casing annulus.
Cut off casing and set P&A marker.

TOC @ 2,810' by Temp Surv.

Cmt plug 2870-3397'

Perfs: 3276-3400'
3276-96, 3308-20, 3338-46, 3380-3400 4SPF
Model DA Pkr @ 3,410'

Perfs: 3738-64', 3754-3764'

7" @ 3,799' w/200 sx Cmt

TAN-YATES-7 RVRS ZONE HISTORY

5/60 Perforated 3,276-3,400'
Frac YATES w/20,000 gal oil & 20,000# sand.
IPF 17 BOPD & 6 BWPD
4/66 Isolate perfs 3,380-3,400'.
Treat w/1000 gal 15%.
Frac w/20,000 gal oil & 20,000# sand. Ran back as dual completion.
5/66 Jalmat - 10 BOPD, 932 MCF
4/69 T&A well in Langlie Mattix. Jalmat still producing .
10/71 POP
9/94 P&A well.

Lasser has Jalmat gas production for '70 to '77
& Jalmat oil for '74 to '90 .

OPPORTUNITY

No large modern frac in Yates.

LANGLIE MATTIX ZONE HISTORY

Spud. **11/4/57** Initial Completion 12/57
12/57 Perforated 3738-64' , 3754-3764' Langlie Mattix
Frac w/10,000 gal oil & 10,000# sand
Tested 200 BO in 12 hrs, 0 BW flowing.
Gas flared until > '58.
5/60 Convert to Dual completion.
5/66 LMattix - 8 BOPD, 1 BWPD, 181 MCFPD
Queen did not produce.

[X] OCD file [X] Well File

Current

AAC-1 #56

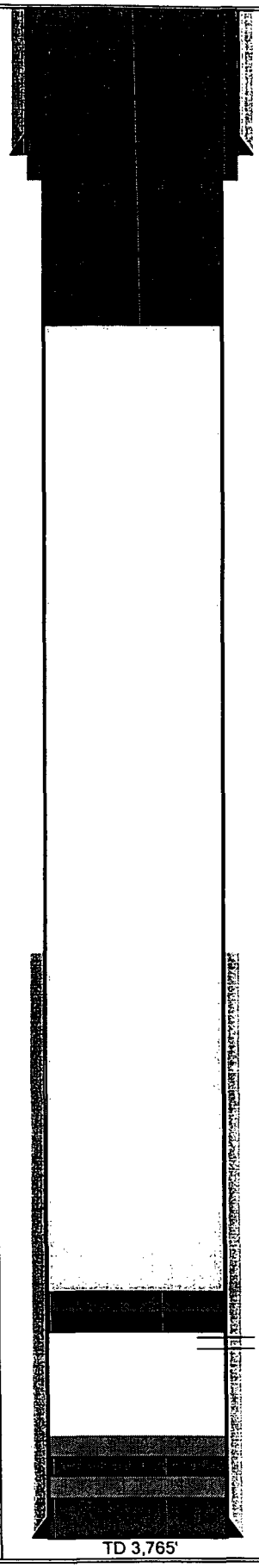
CURRENT WELLBORE DIAGRAM

MISSION RESOURCES

SU-T-R	10L-23S-36E	**API #:**	30-025-09294
POOL:	LANGLIE MATTIX-7 RVRS-QUEEN-GREYBURG		
CO, ST:	LEA, NEW MEXICO	**LAND TYPE:**	STATE
STATUS:	P&A	**ACREAGE**	40.12
LATEST RIG WORKOVER:			
DIAGRAM REVISED:	5/4/2004 BY ERG		

LOG ELEVATION:	N/R
GROUND ELEVATION:	3,438'

FORM	TOP
TANSILL	2,917'
YATES	3,066'
7 RVRS	3,275'
QUEEN	



8 5/8" @ 340'
w/300 sx Cmt
Perf 350'
Replaced 5 1/2" to 465' on 6/89
Leak @ 465' on 9/92

Cmt plug 407-645'

9/92 P&A well
Isolate csg leak @ 465'. Circ 9.5# gelled brine from CIBP to surf. Spot 25 sx plug 407-645'. Pmp 90 sx down csg thru perfs @ 350'. Cut well head & anchors 3' below GL. Set marker.

TOC @ 2,635' by Temp Surv.

Perfs: 3,284-3,304', sqzd 6/89

CIBP @ 3,430' on 9/92
Perfs: 3,467-3,565'

Perfs: 3,638-48', sqzd 10/64
Perfs: 3,676-82', sqzd 10/64

Retr @ 3,688' on 5/59
Perfs: 3,693-3,721', sqzd 5/59
Retr @ 3,727' on 5/59
Perfs: 3,735-49', sqzd 5/59
5 1/2" @ 3,764' w/250 sx Cmt

CASING			LINER	TUBING
Hole				
Pipe	8 5/8"	5 1/2"		
Weight	24#	14#		
Grade				
Thread				
Depth	340'	3,764'		
Mud wt				

LOGS		
Gamma Ray		1959
Sonic Log		1959
Laterolog		1959
Perforating		1959
Temperature		1959

TAN-YATES-7 RVRS ZONE HISTORY

OPPORTUNITY

Redrill/re-enter to produce Yates

QUEEN ZONE HISTORY

4/59 Spud. **5/59** Initial Completion
4/59 Perf 3,693-3,721'
Frac w/25,000 gal oil & 50,000# sand
5/59 Perf 3,735-49'. Set retr @ 3,727', squeeze. Set retr @ 3,688', squeeze.
Tstd perfs 3693-3721'. F 110 BO, 437 BW
Perforated 3,638-48' & 3,676-82'
Frac w/10,000 gal oil & 15,000# sand.
IP 75 BOPD & 248 BWPD. Sqzd perfs.
10/64 Well T&A
3/89 Perf 3,284-3,304'.
Acidized w/1000 gal. Isolate hole @ 353'. Back off 5 1/2" csg @ 465'. Replace 5 1/2" (screw in). POP
6/89 Squeeze perfs 3,284-3,304'.
Perforated 3,467-3,565'.
Acidized w/1400 gal.
3/90 T&A well. LD rods & tbg.
6/92 Set CIBP @ 3,430'. Hole would not load or tst. Will P&A @ later date.
9/92 Isolate csg leak @ 465'. Circ 9.5# gelled brine from CIBP to surf. Spot 25 sx plug 407-645'. Pmp 90 sx plug down csg thru perfs @ 350'. Cut well head & anchors 3' below GL. Set P&A marker.
Note: Raptor requested 1 yr extention of the appraisal to re-enter well & perf Yates-7 Rvrs from 3066-3576'. Approval given 4/15/2002

[X] OCD file [X] Well File

Current

AAC-1 #100

CURRENT WELLBORE DIAGRAM

MISSION RESOURCES

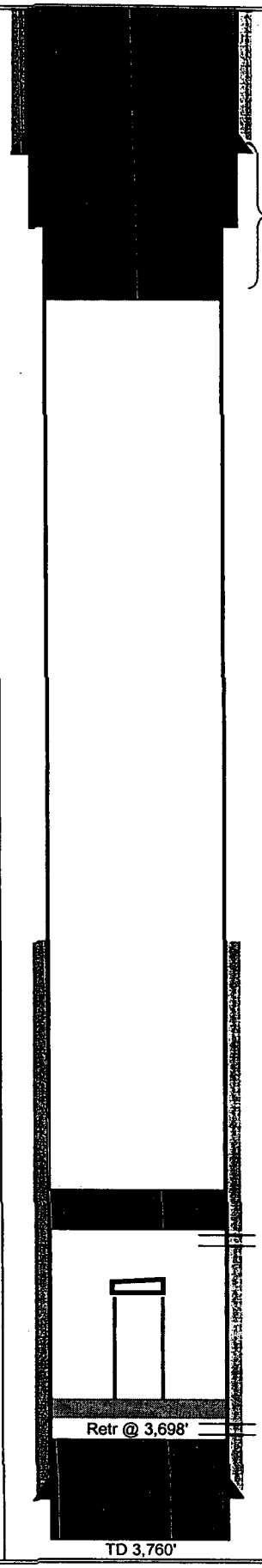
SU-T-R	9H-23S-36E	**API #:**	30-025-09279
POOL:	JALMAT;TAN-YATES-7 RVRS (PRO GAS)		
CO, ST:	LEA, NEW MEXICO	**LAND TYPE:**	STATE
STATUS:	P&A	**ACREAGE**	40.12
LATEST RIG WORKOVER:			
DIAGRAM REVISED:	3/30/2004 BY JAN		

LOG ELEVATION:	3,485 KB
GROUND ELEVATION:	3,475'

	CASING		LINER	TUBING
Hole	13-3/4"	8-3/4"		
Pipe	9 5/8"	7"		
Weight	32#	20#		
Grade				
Thread				
Depth	318'	3,705'		
Mud wt				

LOGS	
Gamma Neutron-Laterolog	12/60
Gamma Perforating	6/69
Temperature Survey	12/60

FORM	TOP
YATES	3,182'
7 RVRS	3,392'
QUEEN	NDE



9 5/8" @ 318'
w/300 sx Cmt

Csg leaks 300-730'

20 sx balanced plug 700-800'

9/92 P&A well
Isolate csg leaks 300-730'. Circ 9.5# gelled brine from CIBP. Spot 20 sx balanced plug 700-800'. Pmp 200 sx cmt down csg/up annulus. Cut wellhead & anchors 3' below GL. Set P&A marker.

Cored 3,660-3,760'

TOC @ 2,220' by Temp Surv.

CIBP @ 3,141' w/ 2 sxs cmt **6/92**
Perfs: 3,191-3,452' **7/69**
3191, 3198, 3211, 3224, 3234, 3243, 3264, 3286, 3296, 3314, 3328, 3339, 3352, 3365, 3380, 3388, 3445, 3447, 3449, 3452

Tag @ 3,451', assumed tbg fish

Loc Set @ 3,598'
Retr @ 3,698'
Perfs: 3,638-90' **7/69**
3638,3641, 3643, 3644, 3645, 3668, 3670, 3672 3674, 3686, 3688, 3689, 3690
7" @ 3,705' w/250 sx Cmt

TAN-YATES-7 RVRS ZONE HISTORY

7/69 Perforated 3,191-3,452'
Frac 3,191-3,452' w/1000 gal 15% & 20,000 gal gel & 35,000# sd.
Dual Completion.
Jalmat tested 1332 MCFD 7/69
6/90 LD rods & short string. Tag bttm w/second string @ 3,451'. LD Tbg. T&A well.
6/92 Set CIBP @ 3,141'. Hole would not load or tst Will P&A @ later date.
9/92 Isolate csg leaks 300-730'. Circ 9.5# gelled brine from CIBP. Spot 20 sx balanced plug 700-800'. Pmp Pmp 200 sx down csg/up annulus. Cut wellhead & anchors 3' below GL. Set P&A marker.

OPPORTUNITY

No opportunity in this well.
Yates frac small - Yates in area not drained.

QUEEN ZONE HISTORY

Spud 11/28/60 Initial Completion **12/13/60**
Initially opehole completion in the Queen.
Openhole 3,705 to 37,760.
Vibro-frac 3,742-50' w/three #3 charges
SOT w/ 10,000g oil and 10,000# sand.
IPF 288 BOPD, 72 BW (calc)
12/64 choke and 400# TP.
7/69 Set Retr @ 3,698', sqz OH.
Perforated 3,638-90
Frac 3,638-90' w/1000 gal 15% & 15,000 gal gel & 25,000# sand
Langlie Mattix tested 4 BOPD, 62 BWPD, 9 MCFPD
10/1/73shut-in Langlie Mattix

[X] OCD file [X] Well File

Current

STATE AAC 1 #116
CONVERT TO INJECTION
NMOCD Form C-108 Sections VII thru XII

VII. Data on proposed operation.

1. Proposed average injection rate: 3000 BWPD.
   Proposed maximum injection rate: 6000 BWPD.

2. The system will be a closed system.

3. Proposed average injection pressure: 500 PSI
   Proposed maximum injection pressure: 748 PSI (This is based on a .2 psi/ft gradient)

4. The proposed injection fluid is produced water from the Mission operated State AAC 1 & AAC 3 Leases. Water analysis of these waters is attached.

5. The injection zone at 3740-3842 is productive of oil and gas. The interval from 4000' to 5791' is not productive of oil & gas. Water analysis of the Grayburg yields a Rw of .6 @75 degrees and the San Andres yields a Rw of .59 at 75 degrees.

VIII. The proposed injection interval is located in the Queen-Grayburg-San Andres formations. These are Permian age reservoirs. The Queen, 3740-3937, is a 197 foot thick sandstone, the Grayburg, 3937-4363, is a 426' thick dolomite and the San Andres, 4363-5841', is a 1478' thick dolomite. There are no fresh water wells within one mile of the proposed salt-water disposal well based on information provided by the State Engineer.

IX. The current Queen zone is perforated from 3740' to 3842'. It is proposed to drill out two plugs and expose 1791' of Grayburg and San Andres openhole interval from 4000' to 5791'. The injection string is 2 7/8" cement lined tubing set at 3700' with a plastic coated 8 5/8" Otis Permalatch Packer. An acid job of 2000 gal is planned for this injection interval.

X. Logs have been previously submitted to the OCD.

XI. There are no fresh water wells within one mile of the proposed conversion. The information of these wells as provide by the State Engineer is attached

XII. An examination of this area has determined there are no open faults or other hydrologic connection between the disposal zone and any underground drinking water.

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:

New Mexico State Land Office
P O Box 1148
Santa Fe, NM 87504-1148

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

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

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

JUN 17 2004

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 (Transfer from service label) 7003 1680 0006 6279 9000

PS Form 3811, August 2001 Domestic Return Receipt 102595-02-M-1540

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- 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:

ChevronTexaco Corp
15 Smith Rd
Midland TX 79705

COMPLETE THIS SECTION ON DELIVERY

A. Signature 06/16/04 18:45
X ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery 6/16/04

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 (Transfer from service label) 7003 1680 0006 6279 8980

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- 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:

Gruy Petroleum Management Co.
3300 N A, Bldg 8, Ste 120
Midland TX 79705

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X Kindell Carter ☒ Agent ☐ Addressee

B. Received by (Printed Name) Kindell Carter C. Date of Delivery 6/17/04

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 (Transfer from service label) 7003 1680 0006 6279 8997

PS Form 3811, August 2001 Domestic Return Receipt 102595-02-M-1540

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:

Arch Petroleum
P O Box 10340
Midland TX 79702

COMPLETE THIS SECTION ON DELIVERY

A. Signature
X ☐ Agent ☐ Addressee

B. Received by (Printed Name) C. Date of Delivery 6-16-04

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 (Transfer from service label) 7003 1680 0006 6279 8973

PS Form 3811, August 2001 Domestic Return Receipt 102595-02-M-1540

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

June 16 2004

and ending with the issue dated

June 16 2004

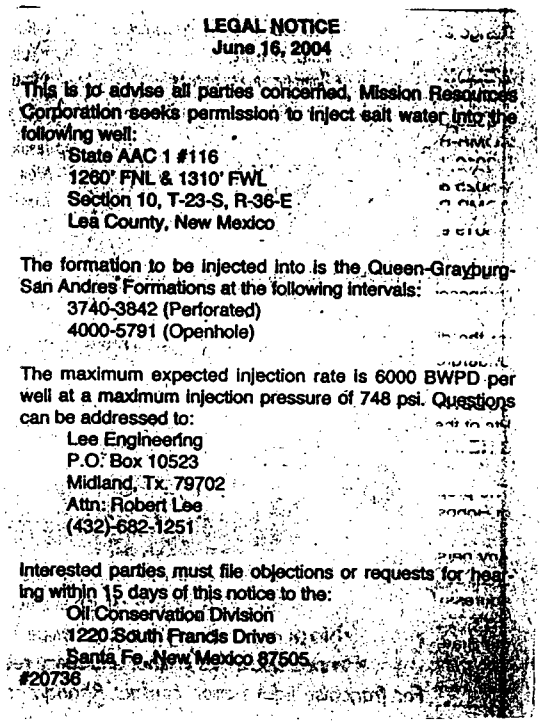
Kathi Bearden

Publisher

Sworn and subscribed to before me this 16th day of June 2004

Notary Public.

My Commission expires
November 27, 2004
(Seal)



LEGAL NOTICE
June 16, 2004

This is to advise all parties concerned, Mission Resources Corporation seeks permission to inject salt water into the following well:
State AAC 1 #116
1260' FNL & 1310' FWL
Section 10, T-23-S, R-36-E
Lea County, New Mexico

The formation to be injected into is the Queen-Grayburg-San Andres Formations at the following intervals:
3740-3842 (Perforated)
4000-5791 (Openhole)

The maximum expected injection rate is 6000 BWPD per well at a maximum injection pressure of 748 psi. Questions can be addressed to:
Lee Engineering
P.O. Box 10523
Midland, Tx. 79702
Attn: Robert Lee
(432)-682-1251

Interested parties must file objections or requests for hearing within 15 days of this notice to the:
Oil Conservation Division
1220 South Francis Drive
Santa Fe, New Mexico 87505

#20736

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

02102084000 67522888

Lee Engineering
P.O. Box 10523
MIDLAND, TX 79702