

DATE IN 11/6/06	SUSPENSE	ENGINEER W. Jones	LOGGED IN 11/7/06	TYPE SWD	APP NO. P TDS0631149003
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ABOVE THIS LINE FOR DIVISION USE ONLY

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



**ADMINISTRATIVE APPLICATION CHECKLIST**

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

**Application Acronyms:**

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

- [1] **TYPE OF APPLICATION** - Check Those Which Apply for [A]  
 [A] Location - Spacing Unit - Simultaneous Dedication  
 NSL  NSP  SD
- Check One Only for [B] or [C]  
 [B] Commingling - Storage - Measurement  
 DHC  CTB  PLC  PC  OLS  OLM
- [C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery  
 WFX  PMX  SWD  IPI  EOR  PPR
- [D] Other: Specify \_\_\_\_\_
- [2] **NOTIFICATION REQUIRED TO:** - Check Those Which Apply, or Does Not Apply  
 [A]  Working, Royalty or Overriding Royalty Interest Owners  
 [B]  Offset Operators, Leaseholders or Surface Owner  
 [C]  Application is One Which Requires Published Legal Notice  
 [D]  Notification and/or Concurrent Approval by BLM or SLO  
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office  
 [E]  For all of the above, Proof of Notification or Publication is Attached, and/or,  
 [F]  Waivers are Attached

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

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

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

Print or Type Name	Signature	Title	Date
		e-mail Address	

## Inactive Well List

**Total Well Count:8 Inactive Well Count:1 Since:10/10/2005**

**Printed On: Wednesday, January 03 2007**

District	API	Well	ULSTR	OCD Unit	OGRID	Operator	Lease Type	Well Type	Last Production	Formation/Notes	Status	Days in TA
1	30-025-30832	STATE 8 #003	D-8 -16S-34E	D	1340	AVRA OIL CO	S	O	10/2002	WOLFCAMP		

WHERE Ogrid:1340, County:All, District:All, Township:All, Range:All, Section:All, Production(months):15

# AVRA OIL COMPANY

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November 3, 2006

RECEIVED

NOV 03 2006

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

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

Re: Application for Salt Water Disposal Well  
Williams #2 - API #: 30-025-27643  
Unit H, Sec 11, T-18S, R-38E  
Lea County, NM

Gentlemen:

Enclosed please find the application for disposal of salt water into Williams #2.

As you are cognizant, the Bishop Canyon Queen formation has low permeability. Therefore we request, as we were granted on our Charlcia A. Taylor well #1, that the maximum surface injection pressure of 2100 psi be granted for the Williams #2 also.

I'm hoping that our application is complete and satisfactory to you. Should you require or desire any additional information in regard to this matter, please contact me at (432) 682-4866.

Your prompt attention and your consideration is greatly appreciated.

Sincerely,

A handwritten signature in cursive script that reads "Saeed Afghahi".

Saeed Afghahi  
Petroleum Engineer

**APPLICATION FOR AUTHORIZATION TO INJECT**

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

II. OPERATOR: AVRA OIL COMPANY  
ADDRESS: PO BOX 3193 MIDLAND, TX 79702  
CONTACT PARTY: SAEED AFGHAHI PHONE: 432-682-4866

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  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.).

RECEIVED

NOV 06 2006

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

\*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: SAEED AFGHAHI TITLE: PRESIDENT

SIGNATURE: Saeed Afghahi DATE: 10/12/06

E-MAIL ADDRESS: avraoil@sbcglobal.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: \_\_\_\_\_

III. WELL DATA

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

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

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

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

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

XIV. PROOF OF NOTICE

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

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

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

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

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

FORM C-108 cont.

Part III. A

- 1.) Williams No. 2  
2310 FNL and 560 FEL  
Sec. 11 – T18S – R38E  
Lea County, New Mexico
- 2.) See attached wellbore schematic.
- 3.) Propose to run approximately 4050' of 2 3/8" plastic lined tubing.
- 4.) Propose to use a tension Packer as a seal, and set at approximately 50'  
The top perforation. The casing annulus will be loaded with packer fluid.

Part III. B

- 1.) The injection interval will be in the Queen Sand in the Bishop Canyon Queen field.
- 2.) The injection interval is from 4092' to 4102'.
- 3.) The well was originally drilled as an oil and gas well.
- 4.) See wellbore schematic.
- 5.) There is production from the San Andres, at 4800' – 4900' in this area.  
The Queen produces within one mile of this location.

Part VII.

- 1.) Proposed average daily injection will be 350 bbls/day. Maximum will be 1000 bbls./day.
- 2.) The system will be closed.
- 3.) Based on historical data from the offset well, the maximum pressure will not exceed 2100 PSI.
- 4.) The source of the water will be from San Andres wells operated by Avra
- 5.) The Queen productive within one mile of the Williams No. 2.

Part VIII.

The injection interval is the Queen Sand, and is composed of primarily sandstone and sandy dolomite with occasional anhydrite stringers, and is approximately 20' thick. The top of the Queen is at Quaternary Alluvium. The Ogallala is the major source of fresh water in this area at a depth of 100' to 300' deep.

Part IX

The disposal interval will be treated with a breakdown acid job.

Part X

The logs have been previously submitted by Quanah Petroleum Casper in January of 1982.

Part XI

There are active fresh water wells within one mile of the two locations. The analysis for these wells are attached.

Part XII

We have examined all available geologic and engineering data, and find Evidence of open faults or any other hydrologic connection between the disposal interval and any underground source of drinking water.

Part XIV

A copy of this application has been sent to:

KERR-MCGEE CORPORATION, PO BOX 25861, OKLAHOMA CITY, OK 73125

BEACH EXPLORATION, 800 N. MARIENFELD, STE 200, MIDLAND, TX 79701

V.R. "COWBOY" JONES c/o TOM JONES, 1417 ROSE ROAD, HOBBS, NM 88242

CHRISTINE WILLIAMS, 1100 GRAHAM DRIVE, APT 1103, TOMBALL, TX 77375

Christine Williams is the surface owner of unit H, Sec 11 – T18S – R38E, Lea County, New Mexico.

INJECTION WELL DATA SHEET

OPERATOR: AVRA OIL COMPANY

WELL NAME & NUMBER: WILLIAMS WELL NO. 2

WELL LOCATION: 2310' FNL & 560 FEL  
FOOTAGE LOCATION

H 11 SECTION 18S TOWNSHIP 38E RANGE  
UNIT LETTER

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA  
Surface Casing

Hole Size: 11" Casing Size: 8 5/8"

Cemented with: 300 sx. or ft<sup>3</sup>

Top of Cement: SURFACE Method Determined: CIRCULATED

Intermediate Casing

Hole Size: Casing Size:

Cemented with: sx. or ft<sup>3</sup>

Top of Cement: Method Determined:

Production Casing

Hole Size: 7 7/8" Casing Size: 4 1/2"

Cemented with: 1000 sx. or ft<sup>3</sup>

Top of Cement: 300 Method Determined: Temperature Survey

Total Depth: 5100

Injection Interval

4092 feet to 4102

INJECTION WELL DATA SHEET

Tubing Size: 2 3/8" Lining Material: PLASTIC COATED

Type of Packer: BAKER MODEL AD-1

Packer Setting Depth: 4050

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? OIL & GAS PRODUCER

2. Name of the Injection Formation: QUEEN

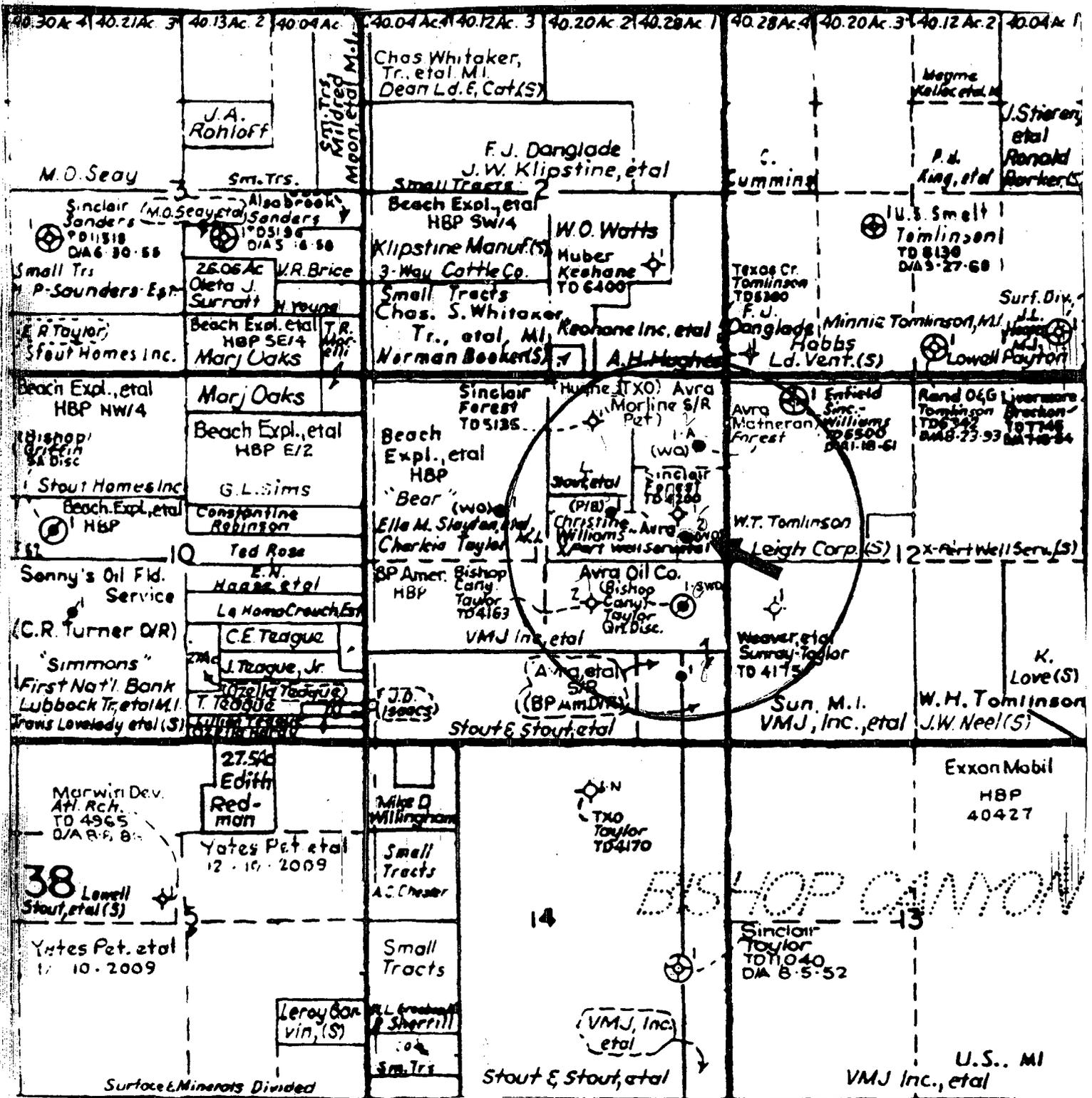
3. Name of Field or Pool (if applicable): BISHOP CANYON QUEEN

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. 4850-4873'

SAN ADRES - SET A CAST IRON BRIDGE PLUG @ 4800' AND 2 SXS OF CEMENT

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: SAN ANDRES 4800-4900

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_



AVRA OIL COMPANY

Williams No. 2  
 Sec. 11 - T18S - R38E  
 Lea County, New Mexico

Avra Oil Company

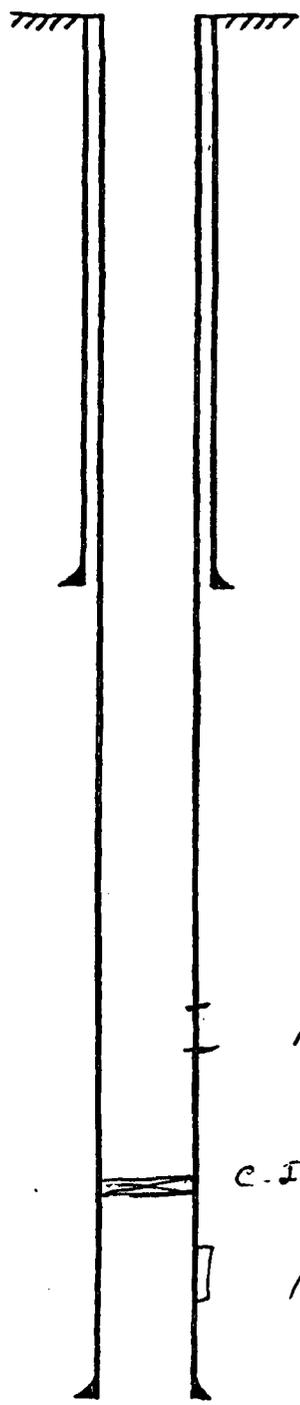
LIST OF WELLS IN AREA OF REVIEW

COMPANY	WELL	UNIT	TD	STATUS
<u>Sec 11 – T18S – R38E</u>				
Avra Oil Company	Williams #2	H	5100'	Shut-In (Proposed SWD)
Avra Oil Company	Williams #1	G	5100'	Producing
Avra Oil Company	Charlcia Ann Taylor #1	I	6480'	Active SWD
Avra Oil Company	C.A. Taylor #1	P	4150'	P & A
Avra Oil Company	Forest A #1	A	5112'	P & A
W.R. Weaver	Charlcia A. Taylor #2	J	4165'	P & A
Sinclair Oil & Gas	Pearl Forest #1	H	4200'	P & A
Bishop Canyon Uranium	(Pearl) Forest	B	5137'	P & A
<u>Sec 12 – T18S – R34E</u>				
Robert N. Enrield	Sinclair Williams	D	6500'	P & A
W.R. Weaver	Sunray – Taylor	L	4175'	P & A

OPERATOR <i>AVKA Oil Company</i>	DATE <i>10-14-06</i>	
LEASE <i>Williams</i>	WELL No. <i>2</i>	LOCATION <i>SEC 11-7185-1238E</i>

*Unit H 2310' FNL + SW' FEL*

*Proposed to be converted to  
Salt water disposal well*



*3 7/8" casing set at 318' with 225 sx of \_\_\_\_\_ cement*  
*Hole size 11" Cement Circulated*

*PACKER SET APPROXIMATELY 50' ABOVE  
TOP PERF*

*PERF ~~412-4140~~*

*C.I.B.P e 4800'*

*perf 4863 - 4873*

*4 1/2" casing set at 5098' with 1000 sx of \_\_\_\_\_ cement*

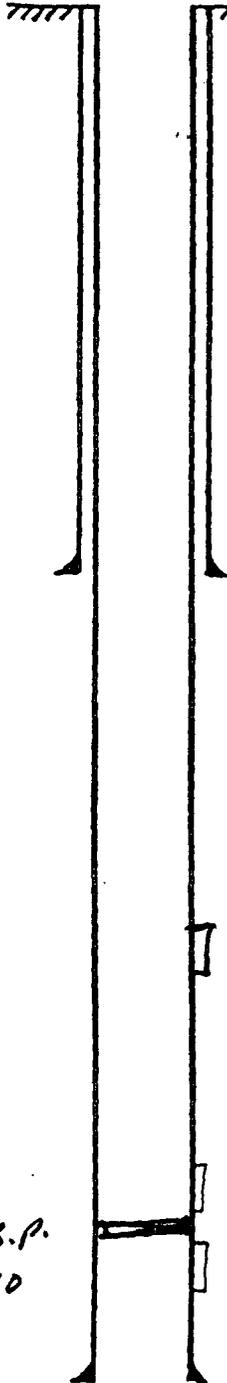
*Total Depth 5100' Hole size 7 7/8" TOC by TS  
@ 300'*

OPERATOR <i>AVRA Oil Company</i>	DATE <i>10 14 - 2006</i>	
LEASE <i>Williams</i>	WELL No. <i>1</i>	LOCATION <i>Sec 11 - T10S - R23E</i>

*Unit G 1980' ENL + 1660' FEL*

*Active producer Bishop Canyon*

*COMINGLED SAN ANDRES & QUEEN*



*8 5/8" casing set at 369' with 300 sx of \_\_\_\_\_ cement*  
 Hole size *11"* *Cement Circulated*

*4892  
4102*

*Queen*

*C.E.B.P.  
4940*

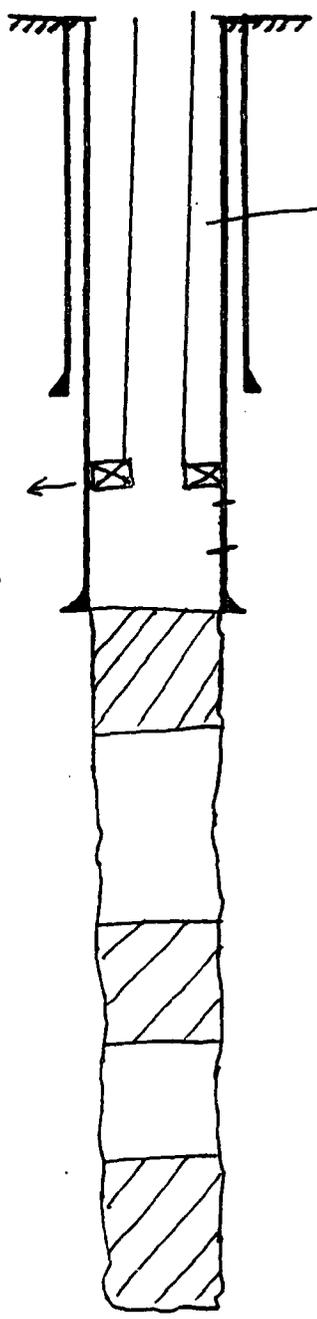
*perf 4876 - 4860*  
*PERF 4955 - 4956*

*4 1/2" casing set at 5100' with 1700 sx of \_\_\_\_\_ cemen*  
 Total Depth *5100'* Hole size *7 7/8"* *TOC by TS*  
*@ 600'*

OPERATOR	AVRA Oil COMPANY		DATE	10-14-2006
LEASE	CHAUCIA A. TAYLOR	WELL No.	1	LOCATION
		Sec 11-T185-K38E		

(UNIT I) 1980' FSL + 660' FEL

ACTIVE DISPOSAL WELL



→ 2 3/8" Plastic coated Tbg

13 3/8" casing set at 336' with 350 sx of \_\_\_\_\_ cemen

Hole size 17 1/2" Cement Circulated

perf 4108 - 4110, packer set @ 4150'

AD-1  
Packer  
@ 4150

5 1/2" casing set at 4272' with 800 sx of \_\_\_\_\_ cemen

Hole size 8 3/4"

1st stage cmt w/ 400 sx

dv @ 2065'

2nd stage cmt w/ 400 sx

TOC by TS @ 1185'

80 sx @ 4950' - 4750'

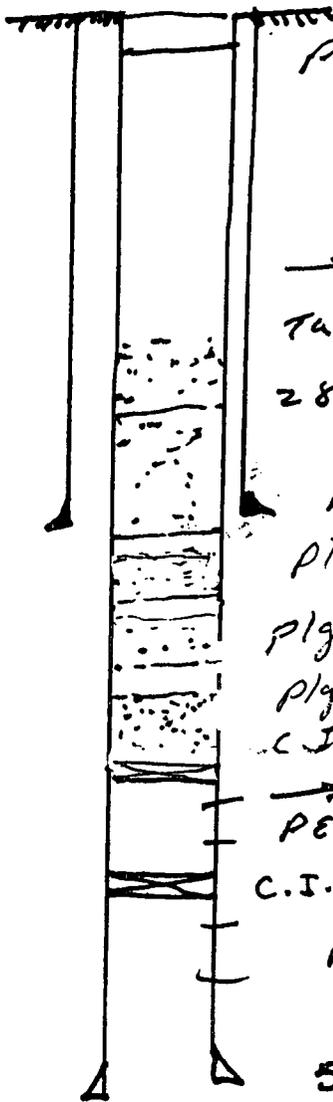
100 sx @ 5400' - 5150'

102 sx @ 6480' - 6225'

Total Depth 6480' Hole size 8 3/4"

OPERATOR Avra Oil Company		DATE 10-14-2006
LEASE Forest "A"	WELL NO. 1	LOCATION Sec 11 - T18S - R38E

PEA 1-18-2006



Plg No. 5 10 SXJ

→ 8 5/8" @ 335' & 225 SXJ  
 Tagged @ 151'  
 285

Plg No. 4 385' PER 50 SXJ 385-285 Tagged  
 Cement 151'

Plg No. 3 2172 - 1825'

Plg No. 2 25 SXJ 3210' - 2963

Plg No. 1 25 SXJ 4030' - 3783

C.I.B.P. @ 4030'

→ 5 1/2" @ 5055' & 450 SXJ  
 PERF Queen 4103-4129

C.I.B.P. @ 4200'

PERF SAN ANDRÉS 4880-4890'

5055

Submit 3 Copies To Appropriate District Office  
 District I  
 1625 N. French Dr., Hobbs, NM 88240  
 District II  
 1301 W. Grand Ave., Artesia, NM 88210  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 May 27, 2004

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

WELL API NO. <b>30-025-07327</b>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name <b>Forest "A"</b>
8. Well Number <b>1</b>
9. OGRID Number
10. Pool name or Wildcat <b>Bishop Canyon Queen</b>
11. Elevation (Show whether DR, RKB, RT, GR, etc.) <b>3,651' GR</b>
Pit or Below-grade Tank Application <input type="checkbox"/> or Closure <input checked="" type="checkbox"/>
Pit type <u>STEEL</u> Depth to Groundwater _____ Distance from nearest fresh water well < 1 mile _____ Distance from nearest surface water > 1 mile _____
Pit Liner Thickness: <u>STEEL</u> mil Below-Grade Tank: Volume <u>180</u> bbls; Construction Material <u>STEEL</u>

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

1. Type of Well: Oil Well  Gas Well  Other  SWD

2. Name of Operator  
**Avra Oil Company**

3. Address of Operator  
**P O Box 3193, Midland, Texas 79702**

4. Well Location  
 Unit Letter A 990 feet from the North line and 330 feet from the East line  
 Section 11 Township 18-S Range 38-E NMPM Lea County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
**3,651' GR**

Pit or Below-grade Tank Application  or Closure

Pit type STEEL Depth to Groundwater \_\_\_\_\_ Distance from nearest fresh water well < 1 mile \_\_\_\_\_ Distance from nearest surface water > 1 mile \_\_\_\_\_

Pit Liner Thickness: STEEL mil Below-Grade Tank: Volume 180 bbls; Construction Material STEEL

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

NOTICE OF INTENTION TO:

- PERFORM REMEDIAL WORK  PLUG AND ABANDON   
 TEMPORARILY ABANDON  CHANGE PLANS   
 PULL OR ALTER CASING  MULTIPLE COMPL   
 OTHER:

SUBSEQUENT REPORT OF:

- REMEDIAL WORK  ALTERING CASING   
 COMMENCE DRILLING ORNS.  P AND A   
 CASING/CEMENT JOB   
 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.

01/16/06 thru 01/17/06

Notified NMOCD, Sylvia Dickey. MIRU Triple N rig #25 and plugging equipment. Set steel working pit. NU BOP. POOH w/ production tubing. RIH w/ gauge ring on wireline to 4,100', POOH. Set CIBP @ 4,030'. Circulated hole w/ mud and pumped 25 sx C cmt 4,030 - 3783'. Pumped 25 sx C cmt 3,210 - 2,963'. Pumped 25 sx C cmt 2,172 - 1,925'. Perforated casing @ 385'. RIH w/ packer and squeezed 50 sx C cmt 385 - 285'. WOC overnight and tagged cmt @ 151'. Pumped 10 sx C cmt 60' to surface. RDMO.

Cut off wellhead & anchors, installed dry hole marker, backfilled cellar.

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

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 .

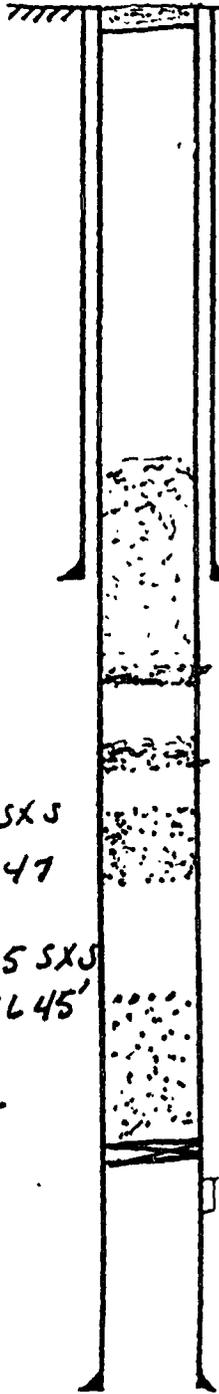
SIGNATURE [Signature] TITLE Engineer DATE 1/18/06

Type or print name James F. Newman, P.E. E-mail address: jim@triplenservices.com Telephone No. 432-687-1994  
 For State Use Only

APPROVED BY: [Signature] TITLE FIELD REPRESENTATIVE II/STAFF MANAGER DATE JAN 24 2006  
 Conditions of Approval (if any):

OPERATOR AVKA Oil Company	DATE 10-14-2006
LEASE TAYLOR	WELL No. 1
LOCATION Sec 11-718S-138E	

Unit A



10545

PEA 1-16-2006

← 145' Tagged

8 5/8 " casing set at 270 ' with 200 sx of \_\_\_\_\_ cemen

Hole size 12 3/4 " Cement Circulated

PERF @ 309', SQUEEZED 50 SX5 FROM 309 TO 209

PER 2090, SQUEEZED 40 SX5, 2090' - 1970'  
tagged @ 1977

plug 25 SX5  
3317-2947

plug 25 SX5  
4105' - 3645'

@ 4105  
C.T.B.P.

perfs @ 4096 + Additional perfs in  
Queen SAND

4 1/2 " casing set at 4147 ' with 225 sx of \_\_\_\_\_ cemen

Total Depth 4150 ' Hole size 6 3/4 " TOC by Calculative  
using 50% efficiency  
3153'

Submit 3 Copies To Appropriate District Office  
 District I  
 1625 N. French Dr., Hobbs, NM 88240  
 District II  
 1301 W. Grand Ave., Artesia, NM 88210  
 District III  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 District IV  
 1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
 Energy, Minerals and Natural Resources

Form C-103  
 May 27, 2004

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

WELL API NO. <b>30-025-21276</b>
5. Indicate Type of Lease STATE <input type="checkbox"/> FEE <input checked="" type="checkbox"/>
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name <b>C.A. Taylor</b>
8. Well Number <b>1</b>
9. OGRID Number <b>134D</b>
10. Pool name or Wildcat <b>Bishop Canyon Queen</b>

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

1. Type of Well: Oil Well  Gas Well  Other

2. Name of Operator  
**Avra Oil Company**

3. Address of Operator  
**P O Box 3193, Midland, Texas 79702**

4. Well Location  
 Unit Letter **P** **990** feet from the **South** line and **660** feet from the **East** line  
 Section **11** Township **18-S** Range **38-E** NMPM **Lea** County

11. Elevation (Show whether DR, RKB, RT, GR, etc.)  
**3,637' DR**

Pit or Below-grade Tank Application  or Closure

Pit type **STEEL** Depth to Groundwater \_\_\_\_\_ Distance from nearest fresh water well **< 1 mile** Distance from nearest surface water **> 1 mile**

Pit Liner Thickness: **STEEL** mil Below-Grade Tank: Volume **180** bbls; Construction Material **STEEL**

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

<b>NOTICE OF INTENTION TO:</b>		<b>SUBSEQUENT REPORT OF:</b>	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS <input checked="" type="checkbox"/>	REPAIR AND A <input checked="" type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	MULTIPLE COMPL <input type="checkbox"/>	CASING/CEMENT JOB <input type="checkbox"/>	OTHER: <input type="checkbox"/>
OTHER: <input type="checkbox"/>		OTHER: <input type="checkbox"/>	

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

1/12/06 - 1/16/06

MIRU Triple N rig #25 and plugging equipment. Set steel working pit. Notified Sylvia Dickey & Gary Wink w/ NMOCD. ND wellhead, NU BOP. Tagged CIBP @ 4,045'. Circulated hole w/ mud, pumped 25 sx C cmt 4,045 - 3,645'. POOH w/ tbg to 3,317' and pumped 25 sx C cmt 3,317 - 2,947'. Perforated casing @ 2,090'. Established rate of 1 1/4 BPM @ 1,100 psi, and squeezed 40 sx C cmt 2,090 - 1,990', ISIP 1,000 psi. Tagged cmt @ 1,977'. Perforated casing @ 309'. Established circulation, and squeezed 50 sx C cmt 309 - 209'. RIH w/ wireline and tagged cmt @ 145'. ND BOP, pumped 10 sx C cmt 60' to surface. RDMO.

Cut off wellhead & anchors, installed dry hole marker, backfilled cellar.

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

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 James F. Newman TITLE Engineer DATE 1/17/06

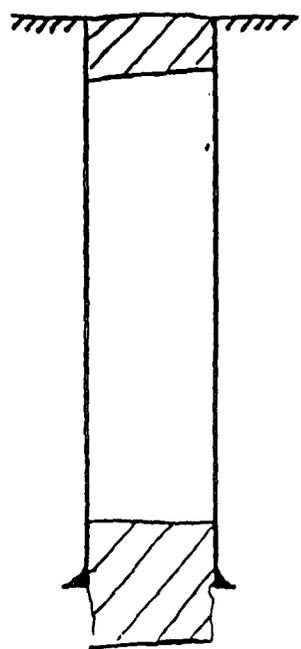
Type or print name **James F. Newman, P.E.** E-mail address: **jim@triplenservices.com** Telephone No. **432-687-1994**

For State Use Only

APPROVED BY: Gay W. Wink TITLE GE FIELD REPRESENTATIVE II/STAFF MANAGER DATE JAN 24 2006

Conditions of Approval (if any):

OPERATOR	W. R. Weaver	DATE	10-14-2006
LEASE	CHARLIE A TAYLOR	WELL NO.	2
		LOCATION	SEC 11-T18S-R38E
		Unit J	1980' FSL + 1980' FEL

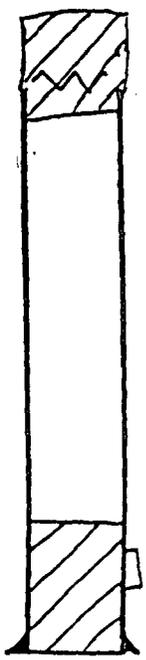


10 SX @ SURFACE

Plugged AND Abandoned

25 SACK plug @ 342'

8 5/8" casing set at 342' with 200 sx of \_\_\_\_\_ ceme  
Hole size 12 1/4" Cement Circulated



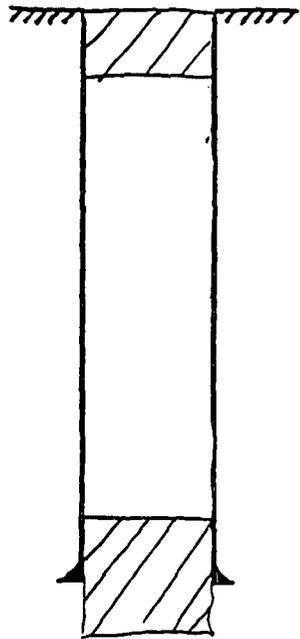
25 SX plug @ 2000'  
SHOT + pulled 5 1/2" @ 2700'  
25 SX plug @ 2700'

25 sx plug @ 4165 -  
perf 4107 - 4118

5 1/2" casing set at 4165' with 400 sx of \_\_\_\_\_ cen  
Total Depth 4165' Hole size 7 7/8" TOC by TS  
2740'

OPERATOR	Sinclair Oil and Gas	DATE	10-14-06
LEASE	Pearl Forest	WELL No	1
		LOCATION	SEC 11- T18S- R38E

unit H 1980' FNL + 660' FEI



10 SXS @ SURFACE

Plugged + ABANDONED  
7-3-57

15 SX plug @ 280 - 320'

10 3/4" casing set at 306' with 275 sx of \_\_\_\_\_ cement  
Hole size ?" Cement Circulated.



SHOT AND pulled 7" @ 1176'  
15 SX plug @ 1150 - 1200

Set 25 SX plug @ 4060 - 4200

perf 4084 - 96, 4108 - 12

perf 4170 - 4180

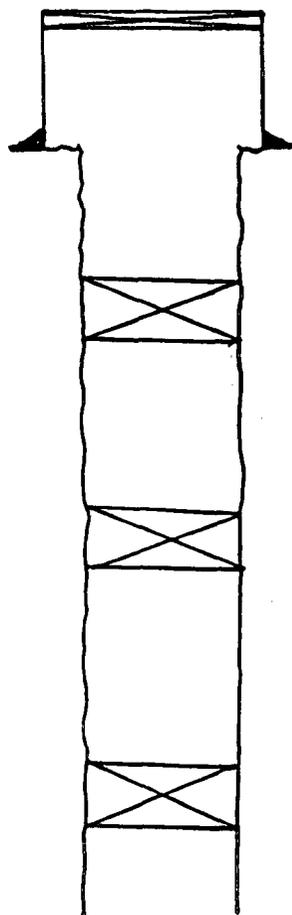
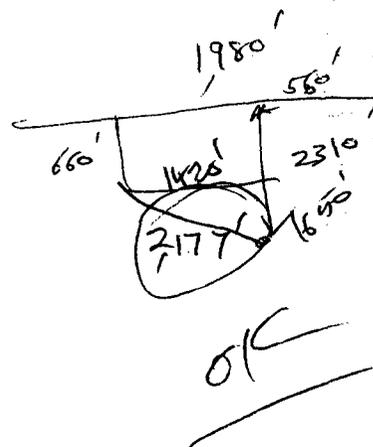
7" casing set at 4200' with 200 sx of \_\_\_\_\_ cement

Total Depth 4200' Hole size 8 3/4" / 1st stage 100 SX  
AV @ 1914  
2nd stage 100 SX  
TOC By TS @ 1190'

OPERATOR Bishop Canyon Uranium Corp.		DATE 10-14-2006
LEASE (Pearl) Forest	WELL NO. 1	LOCATION Sec 11 - T18S - R38E

Location: Sec. 11, T-18-S, R-38-E  
 1980' FEL & 660' FNL, Unit B  
 Lea County, New Mexico

Operator: Bishop Canyon Uranium Corp.  
 Field: Bishop Canyon Queen  
 Perfs: Dry hole  
 Spud Date: 5/10/57  
 Plugging Date: 5/28/57  
 Total Depth: 5137'  
 Casing: 8-5/8" @ 319', 250 sx



PLUG @ SURFACE 10'-0'

PLUG @ 2050 - 2000'

PLUG @ 3200' - 3150'

PLUG @ 4900' - 4860'

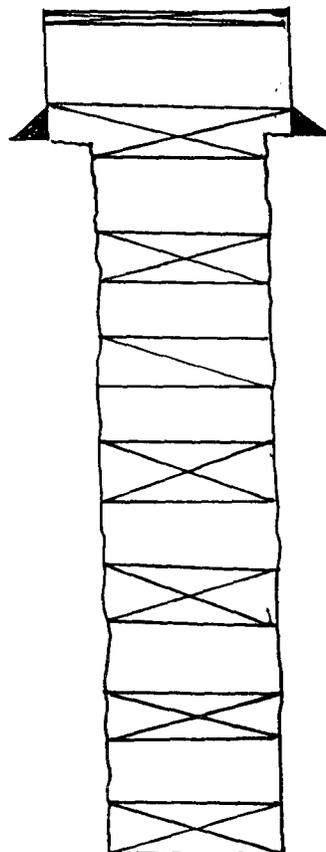
T.D. 5137'

30

OPERATOR Robert N. Enrield		DATE 10-14-2006
LEASE Sinclair Williams	WELL NO. 1	LOCATION Sec 12 - T18S - R38E

Location: Sec. 12, T-18-S, R-38-E  
 990' FWL & 330' FNL, Unit D  
 Lea County, New Mexico

Operator: Robert N. Enrield  
 Field: Wildcat  
 Spud Date: 12/21/60  
 Plugging Date: 1/18/61  
 Total Depth: 6500'  
 Casing: 8-5/8" @ 353', 250 sx

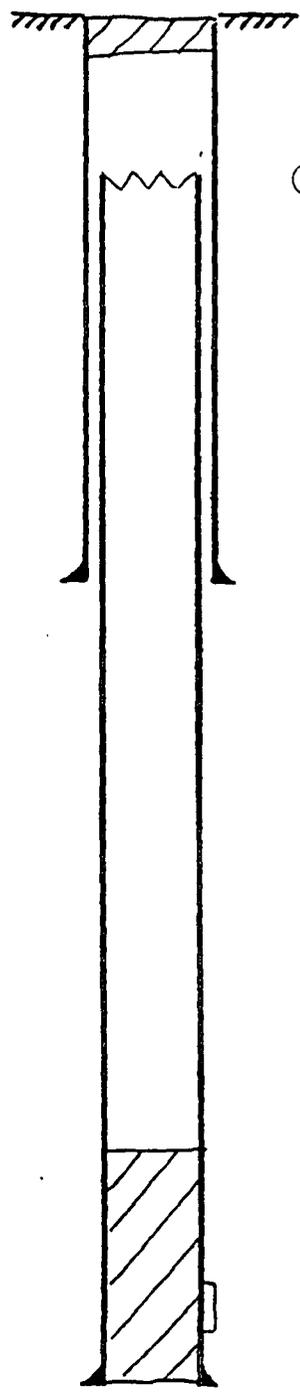


PLUG @ SURFACE 10 SX5  
 PLUG @ 353' 25 SX5  
 PLUG @ 2000' 20 SX5  
 PLUG @ 3300' 20 SX5  
 PLUG @ 4100' 20 SX5  
 PLUG @ 4900' 20 SX5  
 PLUG @ 6200' 20 SX5  
 PLUG @ 6500' 20 SX5

OPERATOR W. R. Weaver		DATE 10-14-2006
LEASE SUNRAY-TAYLOR	WELL No. 1	LOCATION SEC 12-T1B5-K38E

unit L 1980'FSL + 660'FWL

Plugged + Abandoned



10 SXS @ SURFACE

cut 5 1/2" CSG @ 220' pulled 220'

8 5/8" casing set at 279' with 100 sx of \_\_\_\_\_ cement

Hole size 12" Cement Circulated

40 SX plug @ 4175' - 3875'

plug 4108 - 4135'

5 1/2" casing set at 4175' with 800 sx of \_\_\_\_\_ cement

Total Depth 4175' Hole size 7 7/8" 1st stage 400 SXS  
 DV @ 2045'  
 2nd stage 400 SXS

# Fresh WATER WIND Mill



**CAPROCK  
LABORATORIES, INC.**

3312 Bankhead Hwy.  
Midland, Texas 79701  
(915) 689-7252  
FAX # (915) 689-0130

## WATER ANALYSIS REPORT

*N/A Sec. 11-185*

**38E**

### SAMPLE

Oil Co. : **Seaco**  
Lease : **Avra Oil Co.**  
Well No. : **Williams Lease**  
Job No. : **0610095**

Sample Loc. :  
Date Analyzed: **25-October-2006**  
Date Sampled :  
Analysis No. : **1**

### ANALYSIS

1. pH **6.450**
2. Specific Gravity 60/60 F. **1.003**
3. CaCO<sub>3</sub> Saturation Index @ 80 F. **-0.285**  
@ 140 F. **+0.315**

#### Dissolved Gasses

- |                     | MG/L           | EQ. WT. | *MEQ/L    |
|---------------------|----------------|---------|-----------|
| 4. Hydrogen Sulfide |                |         | <b>16</b> |
| 5. Carbon Dioxide   | Not Determined |         |           |
| 6. Dissolved Oxygen | Not Determined |         |           |

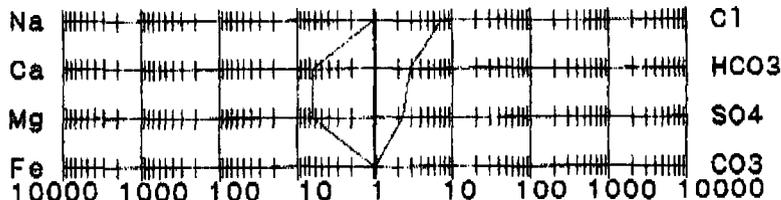
#### Cations

- |                                  |                       |   |               |             |
|----------------------------------|-----------------------|---|---------------|-------------|
| 7. Calcium (Ca <sup>++</sup> )   | <b>120</b>            | / | <b>20.1 =</b> | <b>5.97</b> |
| 8. Magnesium (Mg <sup>++</sup> ) | <b>73</b>             | / | <b>12.2 =</b> | <b>5.98</b> |
| 9. Sodium (Na <sup>+</sup> )     | (Calculated) <b>0</b> | / | <b>23.0 =</b> | <b>0.00</b> |
| 10. Barium (Ba <sup>++</sup> )   | Not Determined        |   |               |             |

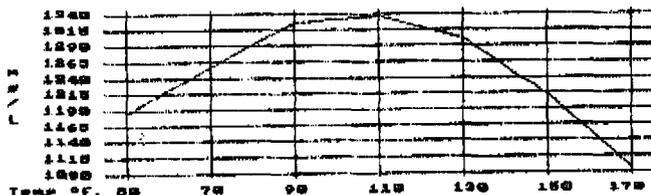
#### Anions

- |  |                   |   |               |             |
|--|-------------------|---|---------------|-------------|
| 11. Hydroxyl (OH <sup>-</sup> )                  | <b>0</b>          | / | <b>17.0 =</b> | <b>0.00</b> |
| 12. Carbonate (CO <sub>3</sub> <sup>=</sup> )    | <b>0</b>          | / | <b>30.0 =</b> | <b>0.00</b> |
| 13. Bicarbonate (HCO <sub>3</sub> <sup>-</sup> ) | <b>171</b>        | / | <b>61.1 =</b> | <b>2.80</b> |
| 14. Sulfate (SO <sub>4</sub> <sup>=</sup> )      | <b>105</b>        | / | <b>48.8 =</b> | <b>2.15</b> |
| 15. Chloride (Cl <sup>-</sup> )                  | <b>248</b>        | / | <b>35.5 =</b> | <b>6.99</b> |
| 16. Total Dissolved Solids                       | <b>717</b>        |   |               |             |
| 17. Total Iron (Fe)                              | <b>0</b>          | / | <b>18.2 =</b> | <b>0.00</b> |
| 18. Total Hardness As CaCO <sub>3</sub>          | <b>601</b>        |   |               |             |
| 19. Resistivity @ 75 F. (Calculated)             | <b>2.783 /cm.</b> |   |               |             |

#### LOGARITHMIC WATER PATTERN \*meq/L.



#### Calcium Sulfate Solubility Profile



COMPOUND	EQ. WT.	X	*meq/L = mg/L.	
Ca(HCO <sub>3</sub> ) <sub>2</sub>	81.04		2.80	227
HCO <sub>3</sub>	68.07		2.15	146
SO <sub>4</sub>	55.50		1.02	57
CO <sub>3</sub>	73.17		0.00	0
Mg(HCO <sub>3</sub> ) <sub>2</sub>	73.17		0.00	0
MgSO <sub>4</sub>	60.19		0.00	0
MgCl <sub>2</sub>	47.62		5.98	285
NaHCO <sub>3</sub>	84.00		0.00	0
NaSO <sub>4</sub>	71.03		0.00	0
NaCl	58.46		-0.02	-1

\*Milli Equivalents per Liter

*James L. Smith*  
Analyst

OIL CONSERVATION DIVISION  
P. O. BOX 2038  
SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-78

NO. OF COPIES RECEIVED	
DISTRIBUTION	
SANTA FE	
FILE	
U.S.G.S.	
LAND OFFICE	
OPERATOR	

3a. Indicate Type of Lease  
State  Fee   
3. State Oil & Gas Lease No.  
N/A

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

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER- 2. Name of Operator QUANAH PETROLEUM, INC. 3. Address of Operator 4835 LBJ FREEWAY SUITE 525 DALLAS, TEXAS 75234 4. Location of Well UNIT LETTER H 2310 FEET FROM THE NORTH LINE AND 560 FEET FROM THE EAST LINE, SECTION 11 TOWNSHIP 18 <sup>9</sup> RANGE 38E NMPM. 15. Elevation (Show whether DF, RT, CR, etc.) 3640.9 GL	7. Unit Agreement Name N/A 8. Farm or Lease Name WILLIAMS 9. Well No. 2 10. Field and Pool, or Wellcat BISHOP CANYON 12. County LEA
--	--

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input checked="" type="checkbox"/>	OTHER <input type="checkbox"/>

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

- 1-21-82: Ran 118 jts. of 4 1/2", 9.5 #/ft., J55, 8rd, ST&C casing w/shoe @ 5098.80 and float collar @ 5053.12 RKB.
- 1-21-82: Cement 4 1/2" casing w/800 sx BJ Lite w/10#/sx salt, 1/4#/sxflocele, .5% D19 @ an av. slurry wt. of 12.7 ppg tailed in w/200sx Class C ( 50/50 poz) w/ 1% D 19 @ an average slurry wt. of 13.7 ppg. Good mud returns throughout job, no cement to surface. Calculated top of cement @ + 300 ft. from surface.

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

SIGNED Jerry Sexton TITLE Drilling Superintendent DATE Feb. 1, 1982  
 Orig. Signed By  
 Jerry Sexton  
 APPROVED BY Diet L. Surge TITLE \_\_\_\_\_ DATE \_\_\_\_\_  
 CONDITIONS OF APPROVAL, IF ANY:

NO. OF COPIES RECEIVED	
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FILE	
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LAND OFFICE	
OPERATOR	

**"L CONSERVATION DIVISION"**  
P. O. BOX 2038  
SANTA FE, NEW MEXICO 87501

Form C-103  
Revised 10-1-78

5a. Indicate Type of Lease  
State  Fee

5. State Oil & Gas Lease No.  
N/A

**SUNDRY NOTICES AND REPORTS ON WELLS**

DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO A DIFFERENT RESERVOIR.  
USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.

1. OIL WELL <input checked="" type="checkbox"/> GAS WELL <input type="checkbox"/> OTHER <input type="checkbox"/>	7. Unit Agreement Name N/A
2. Name of Operator Quanah Petroleum, Inc.	8. Farm or Lease Name Williams
3. Address of Operator 4835 LBJ Freeway, Suite 525 Dallas, Texas 75234	9. Well No. 2
4. Location of Well UNIT LETTER <u>H</u> <u>2310</u> FEET FROM THE <u>North</u> LINE AND <u>560</u> FEET FROM THE <u>East</u> LINE, SECTION <u>11</u> TOWNSHIP <u>18S</u> RANGE <u>38E</u> NMPM.	10. Field and Pool, or Wildcat Bishop Canyon
15. Elevation (Show whether DF, RT, GR, etc.) 3640.9 GR	12. County Lea

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

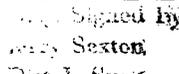
NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK <input type="checkbox"/>	PLUG AND ABANDON <input type="checkbox"/>	REMEDIAL WORK <input type="checkbox"/>	ALTERING CASING <input type="checkbox"/>
TEMPORARILY ABANDON <input type="checkbox"/>	CHANGE PLANS <input type="checkbox"/>	COMMENCE DRILLING OPNS. <input type="checkbox"/>	PLUG AND ABANDONMENT <input type="checkbox"/>
PULL OR ALTER CASING <input type="checkbox"/>	OTHER <input type="checkbox"/>	CASING TEST AND CEMENT JOB <input type="checkbox"/>	OTHER <u>Spud well, run surface casing</u> <input checked="" type="checkbox"/>

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

- The Williams #2 well was spudded at 0700 hours 1-9-82.
- Ran 9 joints 8-5/8", 23# surface casing set at 318'. Cemented with 225 sacks Class C 2% CaCl<sub>2</sub>. Cement circulated to surface.

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

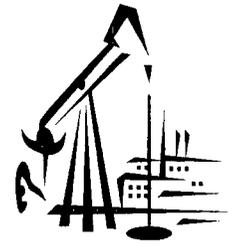
SIGNED  TITLE Operations Engineer DATE 1-13-82

APPROVED BY  TITLE \_\_\_\_\_ DATE \_\_\_\_\_

CONDITIONS OF APPROVAL, IF ANY:

# Avra Oil Company

---



RECEIVED

November 29, 2006

DEC 28 2006

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

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

Re: Application to Dispose of Oil and Gas Waste by Injection into a  
Reservoir Not Productive of Oil or Gas – Williams Lease Well No. 2  
API #: 30-025-27643  
Unit H, Sec. 11, T-18S, R38E  
Lea County, NM

Gentleman:

Enclosed please find the following documents required for approval of the above  
Referenced application:

Newspaper publication of application and Publisher's Affidavit from  
Hobbs News-Sun, the newspaper for general circulation for this  
application.

Sincerely,

Saeed Afghahi  
Petroleum Engineer

# Avra Oil Company

---



RECEIVED

DEC 28 2005

December 22, 2006

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

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

Re: Publication in Newspaper for Application for Salt Water Disposal Well  
Williams #2 – API #: 30-025-27643  
Unit H, Sec 11, T-18S, R-38E  
Lea County, NM

Gentleman:

Enclosed please find a copy of the affidavit and newspaper publication for the Application for Salt Water Disposal well for the Williams #2.

Should you need any additional information, please do not hesitate to call at (432) 682-4866.

Sincerely,

Saeed Afghahi

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 December 3 2006

and ending with the issue dated December 3 2006

Kathi Bearden  
Publisher

Sworn and subscribed to before

me this 4th day of

December 2006  
[Signature]

Notary Public.

My Commission expires  
February 07, 2009  
(Seal)



OFFICIAL SEAL  
DORA MONTZ  
NOTARY PUBLIC  
STATE OF NEW MEXICO

My Commission Expires: \_\_\_\_\_

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

RECEIVED

DEC 28 2006

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

LEGAL NOTICE  
DECEMBER 3, 2006

Avra Oil Company, P.O. Box 3193, Midland, Texas 79702, has filed form C-108 (Application for Authorization to Inject) with the New Mexico Oil Conservation Division seeking administrative approval for an injection well. The proposed well, The Williams No. 2 located 2310' ENL & 560' FEL, Unit H, Section 11, Township 18 South, Range 38 East of Lea County, New Mexico, will be used for salt water disposal. Disposal waters from the San Andres and Queen will be injected into the Queen Sand at a depth of 4092' - 4102' with maximum pressure of 2100 psi and a maximum rate of 1,000 BWPD.

All interested parties opposing the aforementioned must file objections or requests for a hearing with the Oil Conservation Division, 1220 South Saint Francis Drive, Santa Fe, New Mexico 87505-5472, within 15 days. Additional information can be obtained by contacting Saeed Afghahi at (432) 682-4866. #22809

67102059000      67541092  
AVRA OIL CO.  
P.O. BOX  
MIDLAND, TX

**Injection Permit Checklist**

SWD Order Number: 1066 Dates: Division Approved \_\_\_\_\_ District Approved \_\_\_\_\_

Information Request Letter or Email sent \_\_\_\_\_

Well Name/Num: WILLIAMS #2 Date Spudded: 1/19/82

API Num: (30-) 025-27643 County: LEA

Footages: 2310 FNL/560 FEL Sec 11 Tsp 185 Rge 38E

Operator Name: AVRA OIL COMPANY Contact: SAEED AFCHANI

Operator Address: PO BOX 3193 MIDLAND, TX 79702

*11/98 perfect  
QV 80'/110' 6/0'*

	Hole/Pipe Sizes		Depths	Cement	Top/Method
Surface	<u>11</u>	<u>8 5/8</u>	<u>318</u>	<u>300' 25</u>	<u>CIRC</u>
Intermediate					
Production	<u>7 7/8</u>	<u>4 1/2</u>	<u>5100'</u>	<u>1000</u>	<u>300' T.S.</u>
Last DV Tool					
Open Hole/Liner					
Plug Back Depth					

Diagrams Included (Y/N): Before Conversion  After Conversion  2 3/8" TRS

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

Intervals:	Depths	Formation	Producing (Yes/No)
Salt/Potash			
Capitan Reef			
Cliff House, Etc:			
Formation Above			
Top Inj Interval	<u>4092</u>	<u>Queen</u>	<u>Yes (first mile) 8 1/8 PSI Max. WHIP</u>
Bottom Inj Interval	<u>4102</u>	<u>Queen</u>	<u>Yes " No Open Hole (Y/N)</u>
Formation Below	<u>4800-4900</u>	<u>SA</u>	<u>Yes No Deviated Hole (Y/N)</u>

*Small interval!*

Fresh Water Site Exists (Y/N) Yes Analysis Included (Y/N): Yes  
 Salt Water Analysis: Injection Zone (Y/N/NA) \_\_\_\_\_ Disposal Waters (Y/N/NA) \_\_\_\_\_ Types: SA

Affirmative Statement Included (Y/N): \_\_\_\_\_ Newspaper Notice Adequate (Y/N) \_\_\_\_\_ Well Table Adequate (Y/N) \_\_\_\_\_

Surface Owner: Christine Williams Noticed (Y/N)  Mineral Owner(s) \_\_\_\_\_

AOR Owners: Kerr McGee, Branch, Tom Jones other Noticed (Y/N) \_\_\_\_\_

CID/Potash/Etc Owners: \_\_\_\_\_ Noticed (Y/N) \_\_\_\_\_

AOR Num Active Wells 2 Repairs? \_\_\_\_\_ Producing in Injection Interval in AOR NO

AOR Num of P&A Wells 7 Repairs? \_\_\_\_\_ Diagrams Included? Yes

Data to Generate New AOR Table New Table Generated? (Y/N)

	STR	E-W Footages	N-S Footages
Wellsite			
Northeast			
North			
Northwest			
West			
Southwest			
South			
Southeast			
East			

Conditions of Approval:  
 1. w/2 of 12 = who?  
 2. \_\_\_\_\_  
 3. \_\_\_\_\_  
 4. \_\_\_\_\_  
 RBDMS Updated (Y/N) \_\_\_\_\_  
 UIC Form Completed (Y/N) \_\_\_\_\_  
 This Form completed \_\_\_\_\_

*#1 well?*

**Jones, William V., EMNRD**

**From:** Jones, William V., EMNRD  
**Sent:** Tuesday, November 21, 2006 8:14 PM  
**To:** 'avraoil@sbcglobal.net'  
**Cc:** Ezeanyim, Richard, EMNRD; Williams, Chris, EMNRD  
**Subject:** SWD Application: Williams Well No. 2 30-025-27643

Hello Mr. Afghahi:

The Division has reviewed your application and has the following requests:

1) Our new rules for notification are copied below:

**701B. Method of making application.**

(2) *The applicant shall furnish, by certified or registered mail, a copy of the application to each owner of the surface of the land on which each injection or disposal well is to be located and to each leasehold operator or other "affected person" within any tract wholly or partially contained within one-half mile of the well. Affected person shall mean the (a) division designated operator; (b) in the absence of an operator, any lessee whose interest is evidenced by a written conveyance document either of record or known to the applicant as of the date he files the application; and (c) in the absence of an operator or lessee, any mineral interest owner whose interest is evidenced by a written conveyance document either of record or known to the applicant as of the date he filed the application.*

Within Section 12 to the East, it appears there is no "operator"....Have you noticed the lessees (or if no lessees, the mineral owners)?

- 2) Please send a copy of the notice as published in the newspaper. ✓
- 3) Please send a copies of water analysis for the Queen and for the San Andres and a statement about compatibility. ✓
- 4) Send a wellbore diagram of the well after conversion to injection - showing the tubing and packer in place. ✓
- 5) Your perfs to inject (4092 - 4102) are the same as on the Williams #1 diagram (instead of on the Williams #2 diagram) ✓  
 It appears the well diagrams had some mistakes but are you sure of these perforations?
- 6) Your Queen Sand interval to inject into is very narrow and the Queen is notoriously tight.... Have you considered injecting into the San Andres after squeezing the Queen or even into both intervals at once? The San Andres is a carbonate and appears to have decent porosity and already perforated and depleted. You would have to make sure there will be no harm to San Andres producing wells by your injection operations....Just wondering if you had considered this.
- 7) You will have to obtain additional pressure increases for this well by proving the fracture pressure with Step Rate Tests on this well. Offset wells could have different stresses in the Queen. The stresses will change after years of injection into the Queen.

Thank you in advance for answering these questions.

Regards,

William V. Jones PE

(432-682-4866)

Called Sholly  
 12/21  
 reminder of newspaper  
 notice.  
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