

DATE IN 5/24/06	SUSPENSE 6/10/06	WILL JONES ENGINEER	LOGGED IN 5/24/06	TYPE SWD 1038	APP NO. PTD506/4455998
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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

Judah Oil Company
PO Box 568
Artesia, New Mexico 88211
505-748-5488

May 15, 2006

Energy Mineral and Natural Resources Department
New Mexico Oil Conservation Division
1220 South St. Francis Drive
Santa Fe, New Mexico 87505

Mr. William V. Jones

Please find enclosed a copy of NMOCD form C108 (Application for Authority to Inject) for the State DS # 1, API # 30-015-24119, located in Unit Letter "J", Section 34, T23S, R27E NMPM Eddy County, New Mexico.

The attached C108 is for commercial disposal of produced water from numerous producing fields in southeastern New Mexico. These produced waters would be disposed in the Delaware formation from 2618-4042ft.

Also please find copy of C101, C102 and C103 that was sent to NMOCD District II office for approval of the re-entry of the State DS # 1.

Should you have any questions, please feel free to contact Billy E. Prichard at 505-390-9100 or email; shabillron01@warpdriveonline.com

Sincerely,



Billy E. Prichard
Agent for Judah Oil Company

2006 MAY 24 PM 1 45

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: Secondary Recovery Pressure Maintenance X Disposal Storage
Application qualifies for administrative approval? X Yes No
- II. OPERATOR: Judah Oil Company Ogrid # 175260
ADDRESS: PO Box 568 Artesia, New Mexico 88211
CONTACT PARTY: Blaise Campanella PHONE: 505-748-5488
- 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: Billy E. Prichard

TITLE: Agent

SIGNATURE: Billy E. Prichard

DATE: 5/10/06

E-MAIL ADDRESS: shabillron01@warpdiveonline

- * 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

C108 Application for Authorization to Inject
Judah Oil Company
API # 30-015-24119
1980 FSL X 1980 FEL
UL "J" Section 34,T23S,R27E
Eddy County, New Mexico

- I. The purpose of this application is to Re-enter the State DS Gas Com #1 plugged and abandoned by Amoco Production Company in 1983 for the purpose of commercial salt water disposal well in to the Delaware formation.
- II. Judah Oil Company, Inc *Ogrid # 175260*
PO Box 568
Artesia, New Mexico 88211
James B. Campanella 505-748-5488
- III. Well Data: See Attachment A
- IV. This is not an expansion of existing project
- V. See attached map, Attachment B
- VI. There are no wells identified in the 0.5 mile area of review.
- VII.
 1. Proposed average daily injection volumes estimated at 3000 BWPD
Maximum daily injection volume approximately 4000 BWPD
 2. This will be an open system.
 3. Proposed average injection pressure 350psi
Maximum injection pressure 523psi
 4. Sources of disposed water would be produced water from numerous Producing areas in southeastern New Mexico Please see water analysis of various producing areas. Attachment C
 5. Please see attached water analysis of Delaware formation water
Please see attachment D
- VIII. Please see Attachment E.

Judah Oil Company
State DS Gas Com # 1
API # 30-015-24119
1980 FSL X 1980 FEL
UL "J" Section 34,T23S,R27E
Eddy County, New Mexico

- IX. There are no plans to acidize the Delaware unless rates and pressures dictate
- X. Logs previously submitted by Amoco Production Company 1982
- XI. Underground water sources of drinking water are the alluvial fill from surface to 350ft. There are no water wells identified in the 1 mile area of review
- XII. Please see Attachment F
- XIII. Please see Proof of Notice Attachment G

Judah Oil Company
State DS gas Com # 1
API # 30-015-24119
1980 FSL X 1980 FEL
UL "J" Section 34,T23S,R27E
Eddy County, New Mexico

Well data and cement tops were taken from records maintained by the NMOCD

Well was spudded April 19,1982 by Amoco Production Company as a wildcat Morrow test.

16" J55 65# casing was set at 496ft in 20" hole and cemented with 600sacks of Class "C" with CaCl.

Cement circulated to the surface.

10 3/4" K55 40.5# casing was set at 2280ft in 14 3/4 hole and cemented with 1900sacks of Lite cement followed by 200sacks of Class "C" cement with CaCl.

Cement circulated to the surface.

7 5/8" S95 33.7# & 39# casing was set at 9344ft in a 9 1/2"hole and cemented with 1800sacks of Class H Lite cement followed by 200sacks Class "H".

Cement circulated to the surface

4 1/2"S95 13.5# liner was set at 12702ft in a 6 1/2"hole, Top of liner at 8834ft, cemented with 550sack Class "H" cement. Cement circulated above liner top.

Morrow test 12544-12548ft and 12554-12563ft

Cast Iron Bridge Plug set at 12500ft

Morrow test 12204-12211ft and 12228-12237ft

Squeezed with 100sacks Class"H" cement

Morrow test 12132-12190ft

Cast Iron Bridge Plug set at 12000ft, capped with cement

Atoka test 11139-11194ft

Cast Iron Bridge Plug set at 11093ft, capped with 45sacks cement, PBTD 10468ft

Wolfcamp test 10040-10224ft

Cast Iron Bridge Plug set at 9100ft. capped with 35sacks cement, PBTD 8753ft

25sack cement plug at 2265ft

10sack cement plug at surface

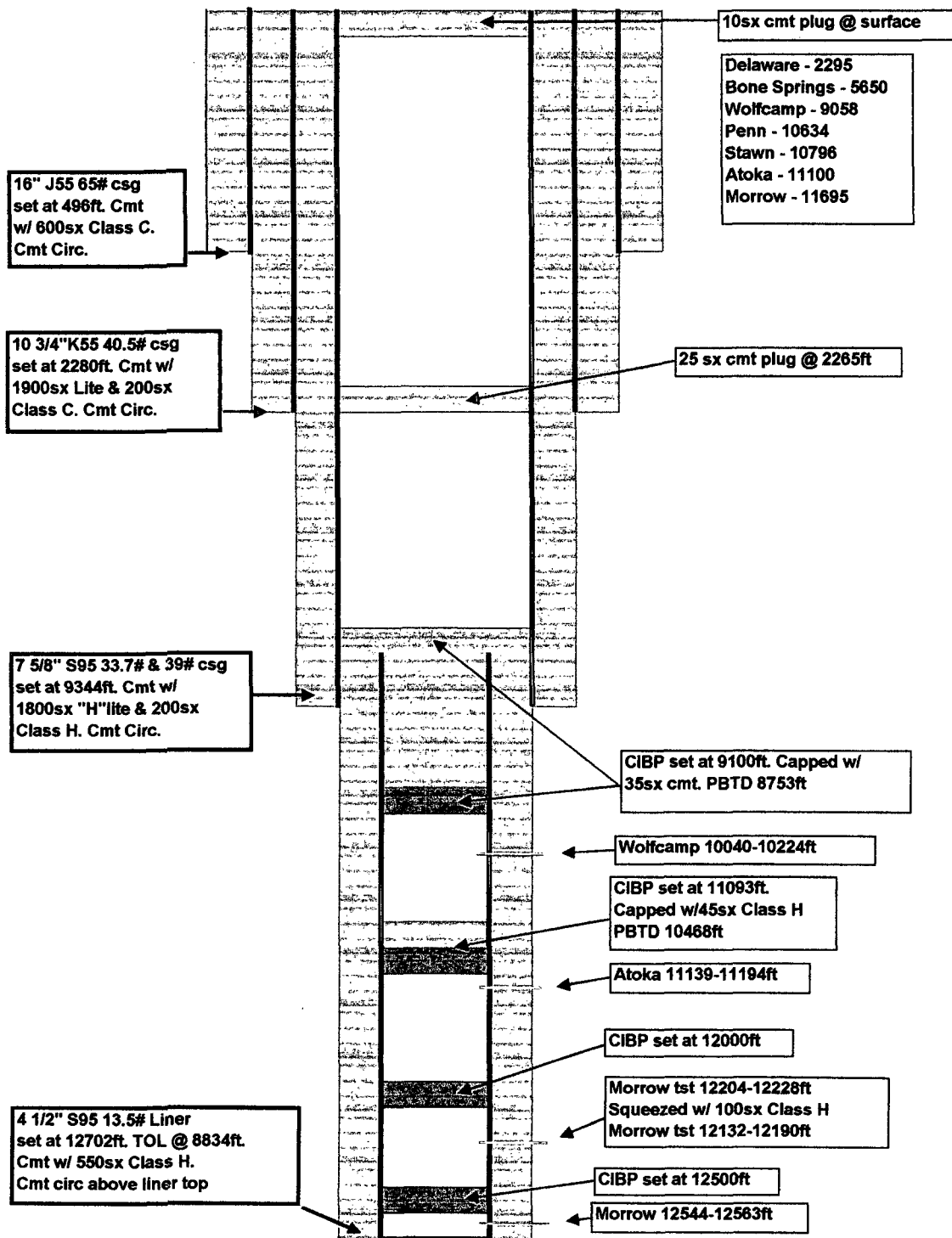
Well plugged and abandoned 4/8/1983

Attachment A

Prior to Re-entry and Conversion to SWD

Spud 4/19/1982
PA 4/8/1983

**State DS Gas Com # 1
API # 30-015-24119
UL "J", Sec 34, T23S, R27E
Eddy County, New Mexico**

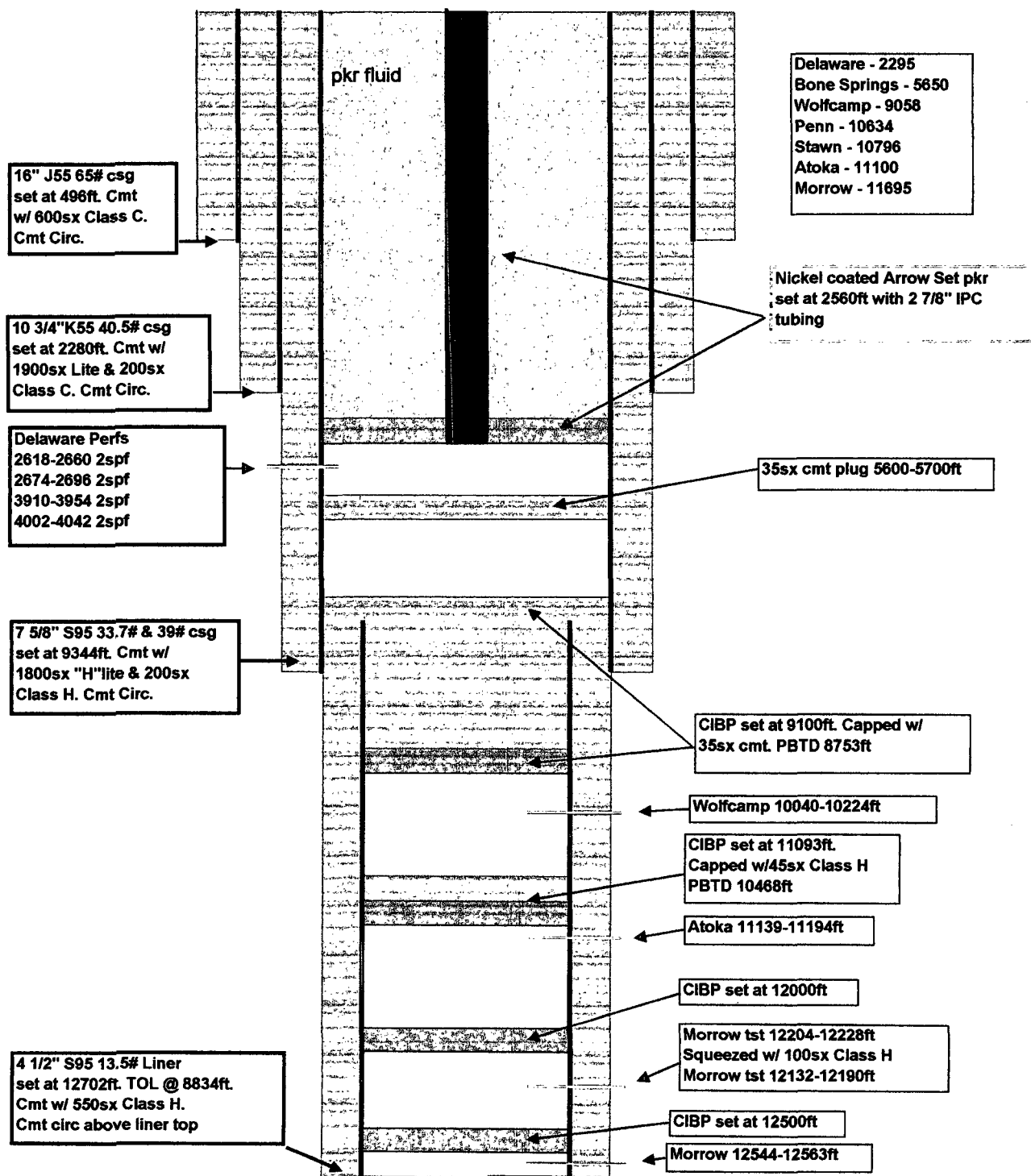


Attachment A

After Re-entry and Conversion to SWD

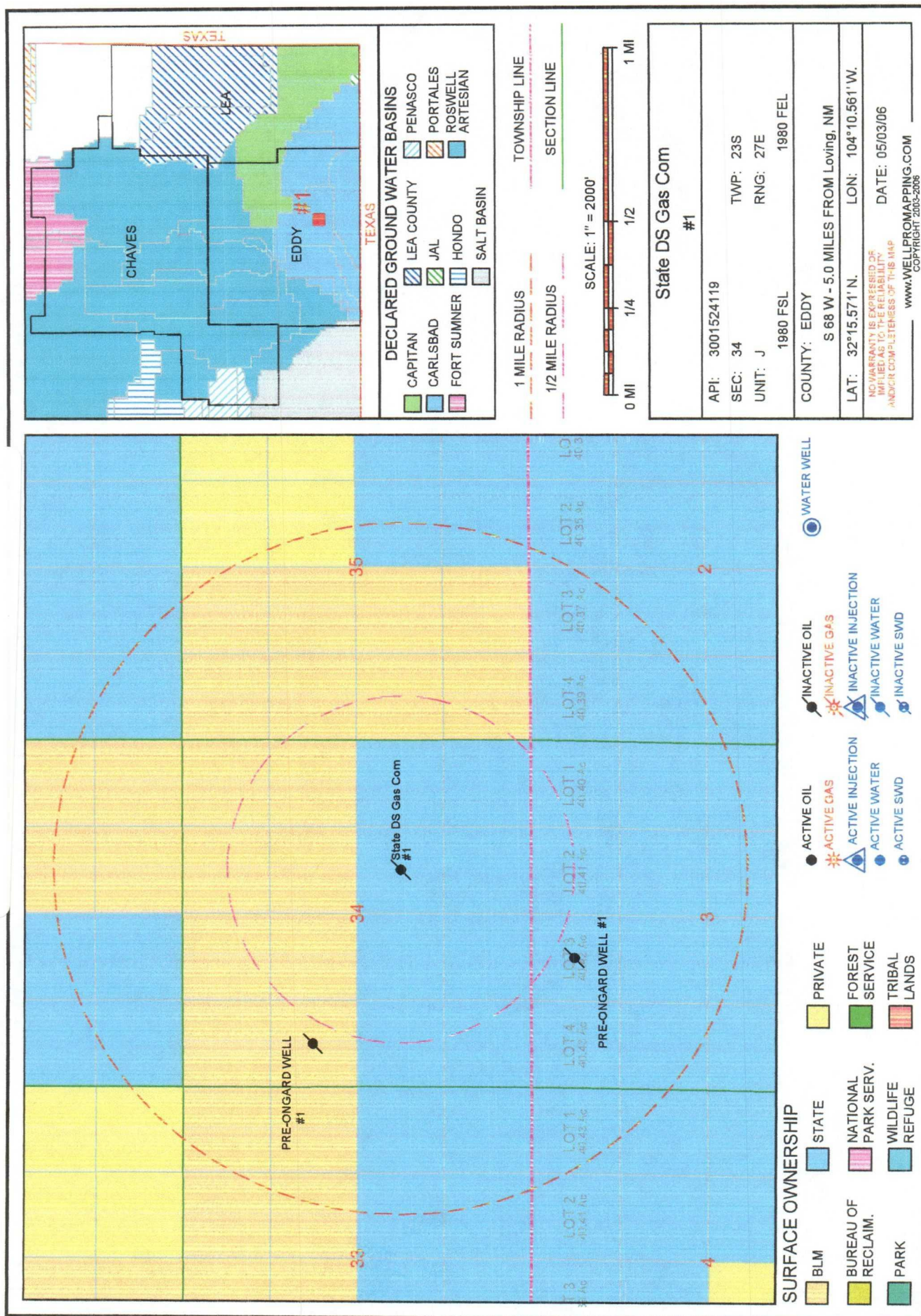
Spud 4/19/1982
PA 4/8/1983

State DS Gas Com # 1
API # 30-015-24119
UL "J", Sec 34, T23S, R27E
Eddy County, New Mexico



Attachment A

Attachment B



**ANALYTICAL RESULTS FOR
Billy E. Prichard**

Receiving Date: 04/28/08
Reporting Date: 05/01/08
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: NOT GIVEN

Sampling Date: 04/19/08
Sample Type: PRODUCED WATER
Sample Condition: COOL & INTACT
Sample Received By: BC
Analyzed By: AB/HM

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (mS/cm)	T-Alkalinity (mgCaCO ₃ /L)
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ANALYSIS DATE:	04/28/08	04/28/08	04/28/08	04/28/08	04/28/08	04/28/08	04/28/08
H11059-4 MEWBORNE OTIS	15089	1122	146	29	65600	200	
H11059-5 OXY GOVT S-4	78504	2405	486	1318	289500	160	
Quality Control	NR	48.1	48.8	3.85	1437	NR	
True Value QC	NR	50.0	50.0	4.00	1413	NR	
% Recovery	NR	96.2	97.2	96.4	102	NR	
Relative Percent Difference	NR	0.0	0.0	2.1	0.8	NR	

METHODS:	SM3500-Ca-D	3500-Mg E	8049	120.1	310.1	
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Cl ⁻ (mg/L)	SO ₄ (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	pH (s.u.)	TDS (mg/L)
---------------------------	---------------------------	---------------------------	----------------------------	--------------	---------------

ANALYSIS DATE:	04/28/08	04/27/08	04/28/08	04/28/08	04/28/08	04/27/08
H11059-4 MEWBORNE OTIS	26992	6.6	0.0	244	6.33	47092 ✓
H11059-5 OXY GOVT S-4	127760	245	0.0	195	6.84	193918 ✓
Quality Control	970	26.5	NR	976	6.92	NR
True Value QC	1000	25.0	NR	1000	7.00	NR
% Recovery	97	106	NR	97.6	98.9	NR
Relative Percent Difference	3.0	3.0	NR	0.0	1.3	

METHODS:	SM4600-Cl-B	375.4	310.1	310.1	150.1	160.1
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Mewborne Otis is from API # 3001532589

Oxy Govt s-4 is from API # 3001527845

[Signature]

Chemist

05-01-08

Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. No event shall Cardinal be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

NM WAIDS

DATA

MAPS

HOME

SCALE

CO

Water Samples for Well PARDUE 001

API = 3001501114

Formation = DEL

Field = CASS DRAW

Instructions:

Click 

For general information about this sample.

Click 

For scale calculation pages (Stiff-Davis or Oddo Tomson methods).

Click 

To select **this water sample** for water mixing. It will lead to the main page, and add the sample mixing table.

Click 664

Click the hyperlinked sample number to make a .csv for that sample, or select several check boxes to click Submit for multiple samples

The ions are in (mg/L) units.

SampleID	T	R	S	SO4	CL	CO3	HCO3	K	Na	Ca	Mg
<u>5304</u>											
<input checked="" type="checkbox"/>	23S	27E	12	175	79570	null	101	null	null	null	null

5304



23S 27E 12 175 79570 null 101 null null null null

☐ SELECT/DESELECT ALL

Submit



Attachment E

Data obtained from G0-Tech web site

http://octane.nmt.edu

Attachment D

C108 Application for Authorization to Inject
Judah Oil Company
State DS # 1
API # 30-015-24119
1980 FSL X 1980 FEL
UL "J" Section 34,T23S,R27E
Eddy County, New Mexico

VIII

The proposed disposal interval is the Delaware, The Delaware is made up of 3 sand bodies, in descending order they are the Bell Canyon, Cherry Canyon and Brushy Canyon. The Delaware is a sequence of well consolidated sandstone, siltstone and shale strata of Permian age.

Immediately above the Delaware is the Lamar Lime and immediately below the Delaware is the Bone Springs


There is no known fresh water strata underlying the Delaware formation.

Based on information from the New Mexico State Engineer web page, there is no active water wells with in the 1 mile area of review. Fresh water is in the alluvial fill from surface to a depth of 350ft

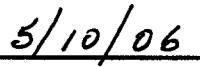
Attachment E

**Judah Oil Company
C108 Application for Authorization to Inject
State DS # 1
API # 30-015-24119
Unit Letter "J", Section 34, T23S, R27E
Eddy County, New Mexico**

Available engineering and geological data have been examined and no evidence of open faults of hydrological connection between the disposal zone and any underground sources of drinking water have been found.



**Billy E. Prichard
Agent for Judah Oil Company**



Date

Attachment F

Judah Oil Company
C108 (Application for Authority to Inject)
State DS SWD # 1

Surface Owner
State of New Mexico
New Mexico State Land Office
310 Old Santa Fe Trail
Santa Fe, New Mexico 87501

Surface Lessee
Lorraine M. Smith Living Trust
29420 Summit Ridge
Fair Oaks Ranch, Tx
78015

Mineral Lessee
Devon Energy Production Company, LP
20 N Broadway, Ste 1500
Oklahoma City, OK.
73102

Offset Operator in Area of Review
None

Offset Mineral Lessee in Area of Review
North ½ of Section 34, T23S, R27E Eddy County, New Mexico
Devon Energy Production Company, LP
20 N Broadway, Ste 1500
Oklahoma City, OK
73102

West ½ of Section 35, T23S, R27E
Yates Petroleum Corporation
105 S 4th St
Artesia, NM
88210

Attachment G

Legal Notice

Judah Oil Company, PO Box 568, Artesia, New Mexico 88211 has filed form C-108 (Application for Authorization to Inject with the New Mexico Oil Conservation Division seeking administrative approval for a commercial salt water disposal well. The proposed well is the State DS # 1 API # 30-015-24119 located 1980 FSL X 1980 FEL of Section 34, Township 23 South, Range 27 East of Eddy County, New Mexico plugged and abandoned in 1983. Produced waters from numerous producing formations will be disposed in the Delaware formation from 2618-4042 feet with a maximum injection pressure of 523psi and maximum rate of 4000 BWPD.

All interested parties opposing the aforementioned must file objections with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days. Additional information can be obtained by contacting Billy E. Prichard at 505-390-9100

May 17, 2006

Judah Oil Company, PO Box 568, Artesia, New Mexico 88211 has filed form C-108 (Application for Authorization to Inject with the New Mexico Oil Conservation Division seeking administrative approval for a commercial salt water disposal well. The proposed well is the State DS # 1 API # 30-015-24119 located 1980 FSL X 1980 FEL of Section 34, Township 23 South, Range 27 East of Eddy County, New Mexico plugged and abandoned in 1983. Produced waters from numerous producing formations will be disposed in the Delaware formation from 2618-4042 feet with a maximum injection pressure of 523psi and maximum rate of 4000 BWPD.

All interested parties opposing the aforementioned must file objections with the New Mexico Oil Conservation Division, 1220 South St. Francis Drive, Santa Fe, New Mexico 87505, within 15 days. Additional information can be obtained by contacting Billy E. Prichard at 505-390-9100.

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:

State of New Mexico
New Mexico State Land Office
0 Old Santa Fe Trail
Santa Fe, NM 87501



2. Article Number (Copy from service label)

7099 3220 0001 9919 5811

PS Form 3811, July 1999

Domestic Return Receipt

102595-00-M-0952

COMPLETE THIS SECTION ON DELIVERY

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

C. Signature

X

☐ 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

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:

Yates Petroleum Corp
105 S 4th St.
Artesia, NM 88210

2. Article Number (Copy from service label)

7099 3220 0001 9919 5835

PS Form 3811, July 1999

Domestic Return Receipt

102595-00-M-0952

COMPLETE THIS SECTION ON DELIVERY

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

C. Signature

X

 KATHY DONAGHE ☐ 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

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:

Lorraine M Smith Living Trust
29420 Summit Ridge
Fair Oaks Ranch, Tx 78015

2. Article Number (Copy from service label)

7099 3220 0001 9919 5842

PS Form 3811, July 1999

Domestic Return Receipt

102595-00-M-0952

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly)

LORRAINE M. S.

B. Date of Delivery

5/15/06

C. Signature

X

Lorraine M. Smith

☐ Agent☐ AddresseeD. Is delivery address different from item 1? ☐ YesIf 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

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:

Devon Energy Prod
20 N Broadway, Ste 1500
Oklahoma City, OK 73102

2. Article Number (Copy from service label)

7099 3220 0001 9919 5828

PS Form 3811, July 1999

Domestic Return Receipt

102595-00-M-0952

COMPLETE THIS SECTION ON DELIVERY

A. Received by (Please Print Clearly)

B. Date of Delivery

C. Signature

X

D. W.

☐ Agent☐ AddresseeD. Is delivery address different from item 1? ☒ YesIf 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

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

State of New Mexico
Energy Minerals and Natural Resources

Form C-101
May 27, 2004

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

Submit to appropriate District Office

☐ AMENDED REPORT

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

Operator Name and Address Judeah Oil Company, Inc PO Box 568 Artesia, New Mexico 88211		OGRID Number 175260
Property Code		APN Number 30 - 015-24119
Property Name State DS		Well No # 1.
Proposed Pool 1 SWD - Delaware		Proposed Pool 2

7 Surface Location

UL or lot no.	Section	Township	Range	Lot Idn	Feet from the 1980	North/South line South	Feet from the 1980	East/West line East	County
1	34	23S	27E						Eddy

8 Proposed Bottom Hole Location If Different From Surface

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

Additional Well Information

Work Type Code P	Well Type Code S	Cable/Rotary R	Lease Type Code S	Ground Level Elevation 3171.3
Multiple N	Proposed Depth 5600	Formation Delaware	Contractor Joes Well Service	Spud Date ASAP
Depth to Groundwater 67 ft		Distance from nearest fresh water well 1000 ft		Distance from nearest surface water Greater than 1 mile
Pit: Liner: Synthetic <input type="checkbox"/> _____ mils thick Clay <input type="checkbox"/> Pit Volume: _____ bbls Drilling Method: Closed-Loop System <input type="checkbox"/> Fresh Water <input checked="" type="checkbox"/> Brine <input type="checkbox"/> Diesel/Oil-based <input type="checkbox"/> Gas/Air <input type="checkbox"/>				

21 Proposed Casing and Cement Program

Hole Size	Casing Size	Casing weight/foot	Setting Depth	Sacks of Cement	Estimated TOC
20	16"	65#	496	600	In Place-Surface
14 3/4"	10 3/4"	40 5#	2280	2100	In Place-Surface
9 1/2"	7 5/8"	33 7# & 39#	9344	2000	In Place-Surface
6 1/2"	4 1/2"	13 5#	12702-8834	550	In Place-Circ

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

All well fluids will be circulated to steel pit. No earthen pits will be constructed.

Please see reentry procedure...

I hereby certify that the information given above is true and complete to the best of my knowledge and belief. I further certify that the drilling pit will be constructed according to NMOCD guidelines <input checked="" type="checkbox"/> , a general permit <input type="checkbox"/> , or an (attached) alternative OCD-approved plan <input type="checkbox"/> .		OIL CONSERVATION DIVISION	
Printed name: Billy E. Prichard		Approved by:	
Title: Agent		Title: BRYAN G. ARRAUT DISTRICT II GEOLOGIST	
E-mail Address: shabillron01@warpedriveonline.com		Approval Date: MAY 08 2006 Expiration Date: MAY 08 2007	
Date:	Phone: 505-390-9100	Conditions of Approval Attached <input type="checkbox"/>	

District I
1625 N. French Dr., Hobbs, NM 88240
District II
1301 W. Grand Avenue, Artesia, NM 88210
District III
1090 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals & Natural Resources Department
OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-102
Revised October 12, 2005
Submit to Appropriate District Office
State Lease - 4 Copies
Fee Lease - 3 Copies

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

¹ API Number 30-015-24119		² Pool Code		³ Pool Name SUD; Delaware	
⁴ Property Code 96100		⁵ Property Name State DS			⁶ Well Number #1
⁷ OGRID No. 175260		⁸ Operator Name Nabors Well Service LTD			⁹ Elevation 3171.3

¹⁰ Surface Location

UL or lot no. J	Section 34	Township 23S	Range 27E	Lot 14N	Feet from the 1980	North/South line South	Feet from the 1980	East/West line East	County Eddy
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¹¹ Bottom Hole Location If Different From Surface

UL or lot no.	Section	Township	Range	Lot 14N	Feet from the	North/South line	Feet from the	East/West line	County
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¹² Dedicated Acres 40	¹³ Joint or Infill	¹⁴ Consolidation Code	¹⁵ Order No.
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No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.

¹⁶				¹⁷ OPERATOR CERTIFICATION <i>I hereby certify that the information contained herein is true and complete to the best of my knowledge and belief, and that this organization either owns a working interest or undivided mineral interest in the land including the proposed bottom hole location or has a right to drill this well at this location pursuant to a contract with an owner of such a mineral or working interest, or to a voluntary pooling agreement or a compulsory pooling order heretofore entered by the division.</i> Signature: <u>Billy E. Prichard</u> Date: <u>5/4/06</u> Printed Name: <u>Billy E. Prichard Agent for Judah Oil Company</u>	
					¹⁸ SURVEYOR CERTIFICATION <i>I hereby certify that the well location shown on this plat was plotted from field notes of actual surveys made by me or under my supervision, and that the same is true and correct to the best of my belief.</i> Date of Survey Signature and Seal of Professional Surveyor: See original survey dated 3/15/1982 Certificate Number
			1980		
			1980		

Judah Oil Company
State DS gas Com # 1
API # 30-015-24119
1980 FSL X 1980 FEL
UL "J" Section 34,T23S,R27E
Eddy County, New Mexico

Well was spudded April 19,1982 by Amoco Production Company as a wildcat Morrow test.

16" J55 65# casing was set at 496ft and cemented with 600sacks of Class "C" with CaCl. Cement circulated to the surface.

10 3/4" K55 40.5# casing was set at 2280ft and cemented with 1900sacks of Lite cement followed by 200sacks of Class "C" cement with CaCl.

Cement circulated to the surface.

7 5/8" S95 33.7# & 39# casing was set at 9344ft and cemented with 1800sacks of Class H Lite cement followed by 200sacks Class "H".

Cement circulated to the surface

4 1/2" S95 13.5# liner was set at 12702ft, Top of liner at 8834ft, cemented with 550sack Class "H" cement. Cement circulated above liner top.

Morrow test 12544-12548ft and 12554-12563ft

Cast Iron Bridge Plug set at 12500ft

Morrow test 12204-12211ft and 12228-12237ft

Squeezed with 100sacks Class "H" cement

Morrow test 12132-12190ft

Cast Iron Bridge Plug set at 12000ft, capped with cement

Atoka test 11139-11194ft

Cast Iron Bridge Plug set at 11093ft, capped with 45sacks cement, PBTD 10468ft

Wolfcamp test 10040-10224ft

Cast Iron Bridge Plug set at 9100ft. capped with 35sacks cement, PBTD 8753ft

25sack cement plug at 2265ft

10sack cement plug at surface

Well plugged and abandoned 4/8/1983

C101 Application for permit to Drill, Re-enter, Deepen, Plugback, or Add a Zone
Judah Oil Company, Inc
State DS # 1
API # 30-015-24119
1980 FEL X 980 FSL
UL "J", Section 34, T23S, R27E
Eddy County, New Mexico

All well fluids will be circulated to steel pit
No Earthen pits will be constructed
5000 psi Double BOP with pipe and blind rams will be used
Well will be re-entered using fresh water as drilling fluid

Judah proposes to drill out plugs set in 1983 by Amoco Production Company in a wildcat Morrow test. Cement plug will be set at 5600-5700ft and test the Delaware from 2300ft to 5600ft for commercial salt water disposal. Find enclosed the drilling and plugging data for the State DS # 1

Application is being made to NMOCD engineering bureau for SWD permit

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

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
May 27, 2004

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

WELL API NO.
30-015-24119

5. Indicate Type of Lease

STATE X ☐ 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.)

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

2. Name of Operator

Judah Oil Company

3. Address of Operator

PO Box 568 Artesia, NM 88211

7. Lease Name or Unit Agreement Name

State DS

8. Well Number #1

9. OGRID Number

175260

10. Pool name or Wildcat

SWD - Delaware

4. Well Location

Unit Letter J : 1980 feet from the South line and 1980 feet from the East line

Section 34 Township 23S Range 27S NMPM Eddy County

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

3171.3 GL

Pit or Below-grade Tank Application ☐ or Closure ☐

Pit type Steel Depth to Groundwater 67ft Distance from nearest fresh water well 1000 + Distance from nearest surface water 1 mile +

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

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

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐

TEMPORARILY ABANDON ☐ CHANGE PLANS ☐

PULL OR ALTER CASING ☐ MULTIPLE COMPL ☐

OTHER: Delaware Perforations

☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☐ ALTERING CASING ☐

COMMENCE DRILLING OPNS. ☐ 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.

Per C101 - All well fluids will be circulated to steel pit. No earthen pits will be constructed

Delaware will be perforated ;

2618-2660 2SPF

2674-2696 2SPF

3910-3954 2SPF

4002-4042 2SPF

Copy sent to OCD District 2 office

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

Billy E. Prichard

TITLE Agent for Judah Oil Company DATE 5/12/06

Type or print name Billy E. Prichard

E-mail address: shabillron01@warpdiveonline.com Telephone No. 505-390-9100

For State Use Only

APPROVED BY:

TITLE

DATE

Conditions of Approval (if any):

Injection Permit Checklist

SWD Order Number 1039 Dates: Division Approved _____ District Approved _____

Information Request Letter or Email sent _____

Well Name/Num: State DS GAS Com #1 Date Spudded: 4/19/1982

API Num: (30-) 015-24119 County: EDDY

Footages 1980 FSL 1980 FEL Sec 34 Tsp 23S Rge 27E

Operator Name: JUDAH OIL COMPANY Contact: BILLY E. PRITCHARD agent for BLASE Campanella

Operator Address: P.O. BOX 568 Arden, NM 88211

	Hole/Pipe Sizes	Depths	Cement	Top/Method
Surface	20" 16"	510' 496'	600	CIRC.
Intermediate	14 3/4" 10 3/4"	2280'	1900 + 200	CIRC.
Production	9 1/2" 7 5/8"	9344'	1800 + 200	CIRC
Last DV Foot	6 1/2" 4 1/2"	12103'	550 SX	CIRC
Open Hole/Liner	7"	88342'		
Plug Back Depth				

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

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

Intervals:	Depths	Formation	Producing (Yes/No)
Salt/Potash	X		
Capitan Reef	X		
Cliff House, Etc:	X		
Formation Above	2295	Del.	
Top Inj Interval	2618	Del.	
Bottom Inj Interval	4042	Del.	
Formation Below	5650	B.S.	

524 PSI Max. WHIP
Open Hole (Y/N)
Deviated Hole (Y/N)

Fresh Water Site Exists (Y/N) No Analysis Included (Y/N): _____

Salt Water Analysis: Injection Zone (Y/N/NA) ☒ Disposal Waters (Y/N/NA) ☒ Types: Many

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

Surface Owner SLD Noticed (Y/N) ☒ Mineral Owner(s) _____

AOR Owners: DEVON (Bosque) Devon/Yates Noticed (Y/N) ☒

CID/Potash/Etc Owners: None Noticed (Y/N) _____

AOR Num Active Wells 0 Repairs? _____ Producing in Injection Interval in AOR _____

AOR Num of P&A Wells 0 Repairs? _____ Diagrams Included? ☒

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. Set closer PBTD
2. _____
3. _____
4. _____

RBDMS Updated (Y/N) _____

UIC Form Completed (Y/N) _____

This Form completed _____

Inactive Well List

Using Production Data

Total Well Count:25 Inactive Well Count:2 Since:3/14/2005

Printed On: Wednesday, June 07 2006

District	API	Well	ULSTR	OCD Unit	OGRID	Operator	Lease Type	Well Type	Last Production	Formation/Notes	Status	Days in TA
1	30-005-10080	PENROC NEW MEXICO BW STATE #001	K-20-08S-33E	K	175260	JUDAH OIL	S	O	07/2000			
1	30-005-10081	PENROC NEW MEXICO BW STATE #002	F-20-08S-33E	F	175260	JUDAH OIL	S	O	12/1984			

WHERE Ogrid:175260, County:All, District:All, Township:All, Range:All, Section:All, Production(months):15

(rule is no more than 2)

OK