

DATE IN 4/20/06	SUSPENSE 5/8/06	DAVID CATANACH ENGINEER	LOGGED IN 4/20/06	TYPE WFX	APP NO. PTD50611046398
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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



819

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

2006 APR 20 PM 12 19

- [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.

<u>Kevin Mayes</u> Print or Type Name	<u>[Signature]</u> Signature	<u>Sr. Staff Engr</u> Title	<u>4/13/06</u> Date
		<u>Kevin. mayes@apachecorp.com</u> e-mail Address	

7002 2410 0004 2681 6104

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4-6-06

Sent To <i>New Mexico State Land Office</i>	
Street, Apt. No., or PO Box No. <i>P.O. Box 1149</i>	
City, State, ZIP+4 <i>Santa Fe, NM 87504 Attn: Jamie Bailey</i>	

PS Form 3800, June 2002

See Reverse for Instructions

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Sent To <i>T.H. McElvain Oil & Gas Limited Partnership</i>	
Street, Apt. No., or PO Box No. <i>1050 17th St. Suite 1800</i>	
City, State, ZIP+4 <i>Denver, CO 80265</i>	

PS Form 3800, June 2002

See Reverse for Instructions

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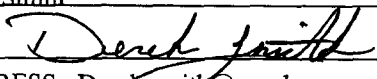
4-6-06

Sent To <i>Chevron USA Inc.</i>	
Street, Apt. No., or PO Box No. <i>1111 South Wilcrest</i>	
City, State, ZIP+4 <i>Houston, TX 77099 Attn: Robert A. Himmeler II</i>	

PS Form 3800, June 2002

See Reverse for Instructions

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: X Secondary Recovery _____ Pressure Maintenance _____ Disposal _____ Storage _____
Application qualifies for administrative approval? X Yes _____ No _____
- II. OPERATOR: Apache Corporation
ADDRESS: 6120 South Yale Ave., Suite 1500 Tulsa, OK 74136
CONTACT PARTY: Derek Smith PHONE: 918-491-5354
- III. WELL DATA: Complete the data required on the reverse side of this form for each well proposed for injection.
Additional sheets may be attached if necessary.
- IV. Is this an expansion of an existing project? X Yes _____ No _____
If yes, give the Division order number authorizing the project: R-12394, Case 13503 and R-12395, Case 13504
- 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: Derek Smith TITLE: Reservoir Engineer
SIGNATURE:  DATE: 4/6/06
E-MAIL ADDRESS: Derek.smith@apachecorp.com
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

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.

Affidavit of Publication

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

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

That the notice which is hereto attached, entitled

Legal Notice

was published in a regular and entire issue of **THE LOV-
INGTON DAILY LEADER** and not in any supplement there-
of, for one (1) day, beginning with the issue of
April 8, 2006 and ending with the issue
of April 8, 2006.

And that the cost of publishing said notice is the sum of
\$ 27.47 _____ which sum has been (Paid) as
Court Costs.

Subscribed and sworn to before me this 13th day of
April 2006.

Debbie Schilling

Notary Public, Lea County, New Mexico

My Commission Expires June 22, 2006

LEGAL NOTICE

Apache Corporation, 6120 South Yale Avenue, Suite 1500, Tulsa, OK 74136 (918) 491-4900 has applied to the State of New Mexico, Oil Conservation Division, Santa Fe, New Mexico, for a permit to inject fluid into a formation that is productive of oil or gas. The application proposes to inject fluid in the Blinberry and Drinkard formations in the Blinberry and Drinkard fields to assist in secondary recovery.

The proposed injection well, the Elliott Federal #3, in Lea County, New Mexico is located 1650 FSL and 1650 FWL in Section 1 of T21S R37E. Fluid will be injected into strata correlative to sub-surface depth interval 5600 feet to 6970 feet at a maximum rate of 500 bwpd and a maximum pressure of 1375 psi.

This application will be heard administratively at the Oil Conservation Division office in Santa Fe. Interested parties must file objections or requests for a hearing with the State of New Mexico.

Oil Conservation Division,
1220 South St. Francis
Dr., Santa Fe, New
Mexico 87505, within 15
days.

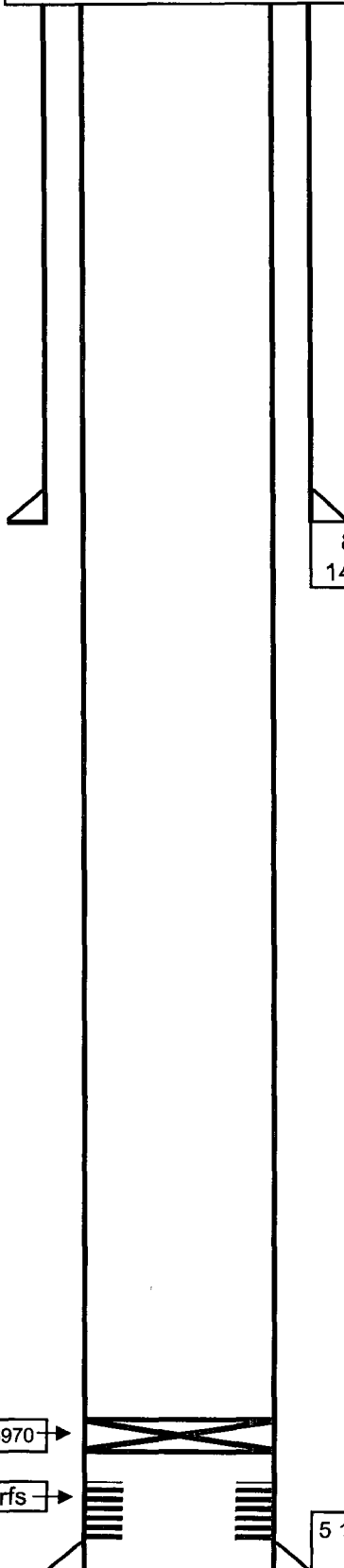
Published in the Lovington
Leader April 8, 2006.

Injection Well Data Sheet

Operator: Apache Corporation
 Well Name & Number: EBDU #57 (Formerly Elliott Federal #3)
 Well Location: 1650 FSL & 1650 FWL

Footage Location	Unit Letter	Section	Township	Range
		1	21S	37E

Wellbore Schematic



Well Construction Data

Surface Casing

Hole Size (in):	<u>12 1/4</u>	Casing Size (in):	<u>8 5/8</u>
Cemented w/ (sx):	<u>730</u>	or (ft ³):	
Top of Cement:	<u>Surface</u>	Determined by:	<u>Circ to surf</u>

Intermediate Casing

Hole Size (in):	<u>N/A</u>	Casing Size (in):	
Cemented w/ (sx):		or (ft ³):	
Top of Cement:		Determined by:	

Production Casing

Hole Size (in):	<u>7 7/8</u>	Casing Size (in):	<u>5 1/2</u>
Cemented w/ (sx):	<u>1560</u>	or (ft ³):	
Top of Cement:	<u>2658</u>	Determined by:	<u>Calc.</u>
Total Depth:	<u>7500'</u>		

Injection Interval

5600 feet to 6970
 Perforated ☒ or Open Hole ☐

Injection Well Data

Tubing Size (in): 2 3/8 Lining Material: Plastic
 Type of Packer: Baker Lokset
 Packer Setting Depth: 5550
 Other type of Tubing/Casing Seal (if applicable): _____

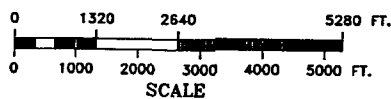
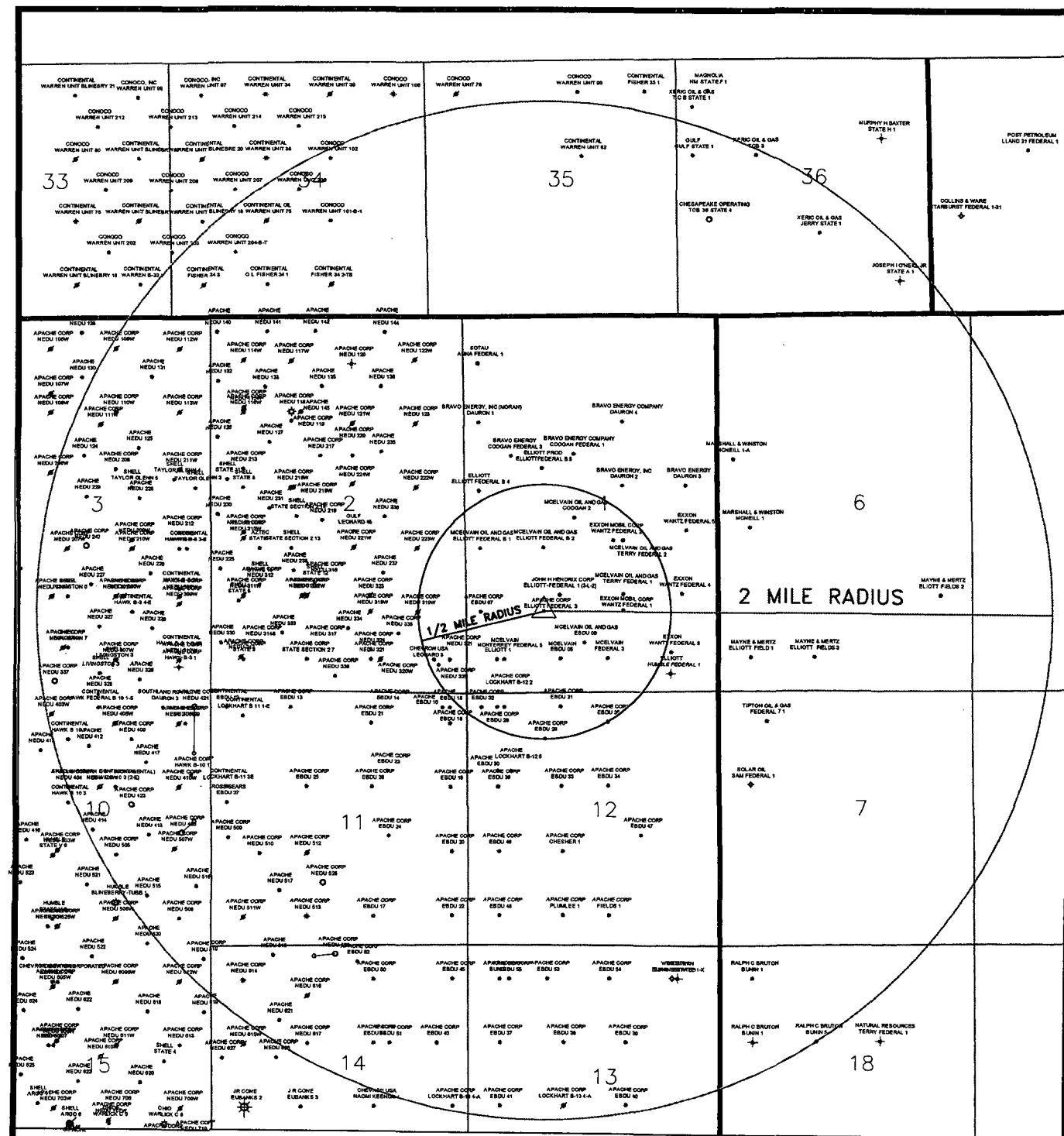
Additional Data

- Is this a new well drilled for injection? Yes _____ No X
 If no, for what purpose was the well originally drilled? Oil Production
- Name of the injection formation: Blinbry & Drinkard
- Name of Field or Pool (if applicable): Blinbry & Drinkard
- Has the well ever ben perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sack of cement of plug(s) used. Abo (7041 - 7462), CIBP set @ 6970 w/ cmt. on 5/18/2005
- Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Above - San Andres (4800') Below - Abo (7007')

CIBP @ 6970 →

Abo Perfs →

5 1/2 set @ 7500
w/ 1560sx

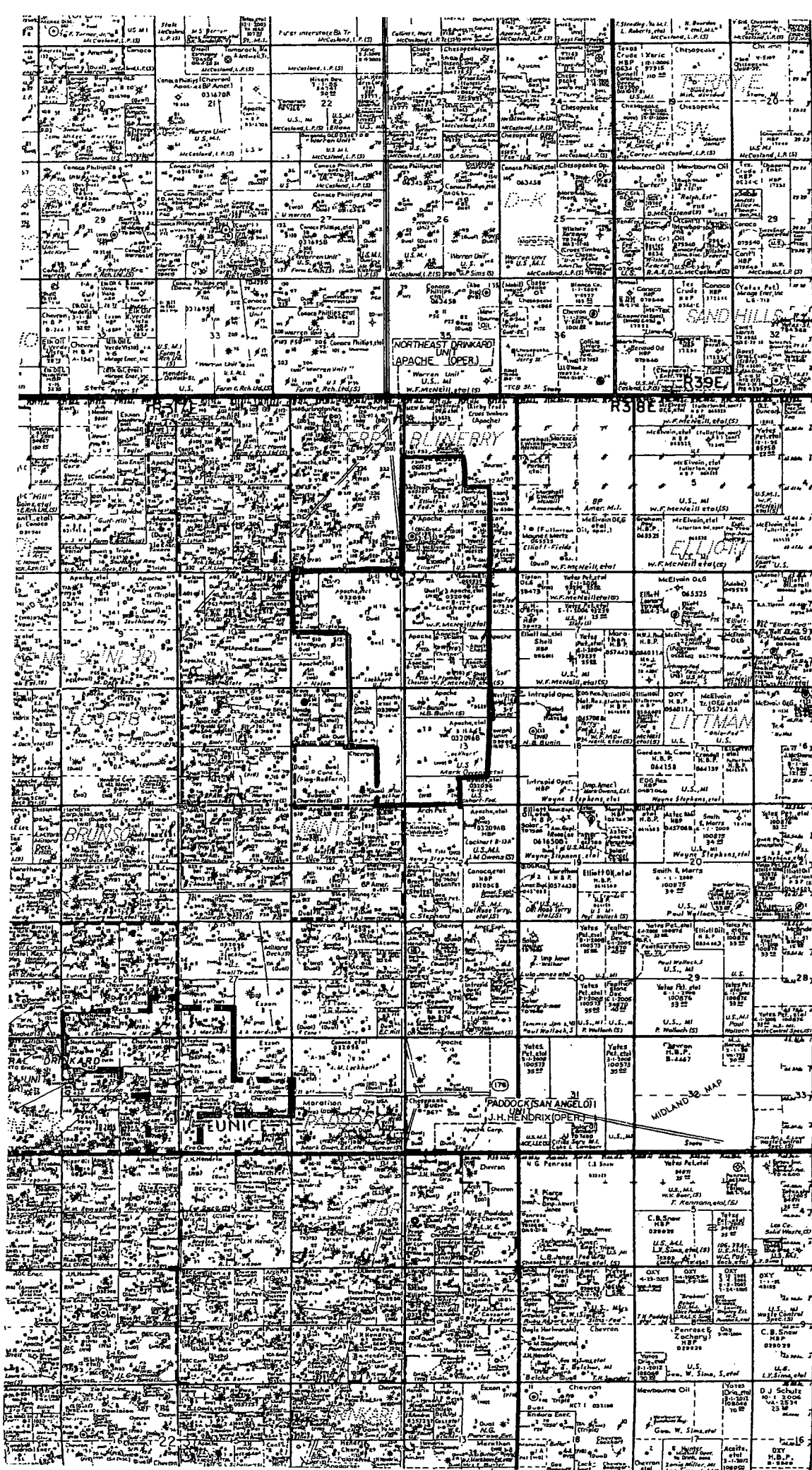


TWO WARREN PLACE, SUITE 1500
6120 SOUTH YALE
TULSA, OKLAHOMA 74136-4224

EBDU #57
Sec. 1-21S 37E
LEA COUNTY, NEW MEXICO
(Formerly Elliott Federal #3)

DATE: 3/28/06

ELLIOT-FED #3 (DEREK)



Operator	Lease Name	Well #	Location	Footage	Type	API	Spud Date	TD	Construction	Top of Cmt.	Completion & Comments
Apache Corporation	East Blinkey Drinkard Unit	3	1 21S 37E	2970 FSL, 330 FWL	Oil	30-025-06523-0000	Jul-54	5971 8 5/8 @ 3145' cm w/ 79x; 5 1/2 @ 5880' cm w/ 350 ss		4264	7/54 5880-5971 O.H.
Apache Corporation	East Blinkey Drinkard Unit	4	1 21S 37E	660 FSL, 2310 FEL	Oil	30-025-06527-0000	Oct-54	5997 8 5/8 @ 3016' cm w/ 1300ss; 5 1/2 @ 5900' cm w/ 450ss		3823	11/54 5900-5997 O.H.
Apache Corporation	East Blinkey Drinkard Unit	5	1 21S 37E	2970 FSL, 1650 FWL	Oil	30-025-06526-0000	Sep-54	6001 8 5/8 @ 3087' cm w/ 1150ss; 5 1/2 @ 7788' cm w/ 350ss		4269	10/54 5885-6001 O.H.
Apache Corporation	East Blinkey Drinkard Unit	6	1 21S 37E	4195 FSL, 2310 FWL	Oil	30-025-30069-0002	Nov-84	7790 8 5/8 @ 1588' cm w/ 600ss; 5 1/2 @ 7788' cm w/ 1100ss		2710	12/88 7090-7354
								5993 BP @ 7027 6842-6952			
								1000 BP @ 6807 5944-6014			
Apache Corporation	East Blinkey Drinkard Unit	7	1 21S 37E	1650 FSL, 330 FWL	Oil	30-025-06533-0000	Dec-51	8613 13 3/8 @ 2407' cm w/ 225ss; 8 5/8 @ 3157' cm w/ 1750ss; 5 1/2 @ 7370' cm w/ 375ss		5639	3/52 5840-5970
Apache Corporation	East Blinkey Drinkard Unit	8	1 21S 37E	660 FSL, 1980 FWL	Oil	30-025-06535-0000	Dec-51	6015 10 3/4 @ 232' cm w/ 250ss; 7 5/8 @ 3166' cm w/ 450ss; 5 1/2 @ 5851' cm w/ 350ss		4235	1/54 5851-6015 O.H.
Apache Corporation	East Blinkey Drinkard Unit	9	1 21S 37E	990 FSL, 2480 FWL	Oil	30-025-34937-0000	Jun-00	7750 8 5/8 @ 1600' cm w/ 519ss; 5 1/2 @ 7750' cm w/ 1400ss		1288	7064-7663 size
										6930.43 BP @ 6840	
Apache Corporation	East Blinkey Drinkard Unit	10	1 21S 37E	1980 FSL, 1980 FWL	Oil	30-025-06536-0000	Aug-52	6070 10 3/4 @ 323' cm w/ 165ss; 7 5/8 @ 3139' cm w/ 1000ss; 5 1/2 @ 6070' cm w/ 300ss		4685	10/52 5959-6065
Apache Corporation	East Blinkey Drinkard Unit	11	1 21S 37E	3100 FSL, 1980 FEL	Oil	30-025-06537-0000	Oct-52	6110 10 3/4 @ 319' cm w/ 350ss; 7 5/8 @ 3190' cm w/ 1000ss; 5 1/2 @ 6110' cm w/ 325ss		4610	12/52 5972-6110
McElvann Oil & Gas	Ellis Federal	1	1 21S 37E	660 FSL, 660 FWL	Oil	30-025-06529-0000	Sep-51	8370 13 3/8 @ 238' cm w/ 250ss; 8 5/8 @ 3150' cm w/ 1380ss; 5 1/2 @ 8333' cm w/ 738ss		5139	11/51 8005-8268
John H Hendrix Corp.	Ellis Federal	2	1 21S 37E	1980 FSL, 1980 FWL	Oil	30-025-06533-0001	Mar-52	6015 10 3/4 @ 242' cm w/ 125ss; 7 5/8 @ 3152' cm w/ 633ss; 5 1/2 @ 5954' cm w/ 108ss; 4 1/2 liner		5492	4/53 5895-6015 O.H. & ports
								5385 6882-6912			
								196 P&A, CIBP @ 5675, cm 5457-5675			
								cm 120' to surface			
Apache Corporation	Ellis Federal	3	1 21S 37E	1650 FSL, 1650 FWL	Oil	30-025-29061-0000	Dec-84	7500 8 5/8 @ 1498' cm w/ 730ss; 5 1/2 @ 7500' cm w/ 1460ss		2658	7/85 7041-7462
Apache Corporation	East Blinkey Drinkard Unit	56	1 21S 37E	660 FSL, 810 FWL	Oil	30-025-06534-0000	Sep-52	5987 10 3/4 @ 232' cm w/ 250ss; 7 @ 3152' cm w/ 1400ss; 5 1/2 @ 5810' cm w/ 350ss; 4 @ 5600-7500' cm w/ 147ss		4194	10/52 5810-5887 O.H.
Exxon Mobil	Wariz Federal	1	1 21S 37E	1650 FSL, 1980 FEL	Oil	30-025-29372-0000	Sep-85	8002 8 5/8 @ 1562' cm w/ 750ss; 5 1/2 @ 8001' cm w/ 2500ss		4835	6/84 6964-7426
Exxon Mobil	Wariz Federal	2	1 21S 37E	3100 FSL, 2180 FEL	Oil	30-025-29397-0000	Apr-86	7816 8 5/8 @ 1524' cm w/ 800ss; 5 1/2 @ 7805' cm w/ 2400ss		5105	12/52 7202-7724
								5108 7098-7745			
								5198 6802-6967			
Chercom USA	H Leonard State F	3	2 21S 37E	650 FSL, 660 FEL	Oil	30-025-06563-0000	Mar-52	8168 13 3/8 @ 225' cm w/ 350ss; 8 5/8 @ 2084' cm w/ 1075ss; 5 @ 8167' cm w/ 975ss		4306	6/00 8040
Apache Corporation	NEDU	319W	2 21S 37E	1650 FSL, 990 FEL	Oil-W	30-025-06553-0002	Oct-88	8470 13 3/8 @ 109' cm w/ 150ss; 8 5/8 @ 3099' cm w/ 1375ss; 5 1/2 @ 6019' cm w/ 600ss; 4 @ 5571-7587' cm w/ 825ss		2400	8/95-9215, 7928-75, 5810-5975
								3/85 790-7371			
								1008 BP @ 730, 5786-6888			
Apache Corporation	NEDU	321	2 21S 37E	660 FSL, 330 FEL	Oil	30-025-06552-0000	May-53	5970 12 3/4 @ 309' cm w/ 350ss; 8 5/8 @ 3099' cm w/ 2300ss; 5 1/2 @ 5750' cm w/ 195ss		4830	7/54 5904-5970 O.H.
Apache Corporation	NEDU	325	2 21S 37E	555 FSL, 555 FEL	Oil	30-025-06549-0000	Jun-52	8013 12 3/4 @ 287' cm w/ 300ss; 8 5/8 @ 3049' cm w/ 1100ss; 5 1/2 @ 8008' cm w/ 925ss		3738	7/615-7955
Apache Corporation	East Blinkey Drinkard Unit	28	1 21S 37E	330 FSL, 660 FWL	Oil	30-025-06538-0002	Apr-52	8268 13 3/8 @ 275' cm w/ 250ss; 9 5/8 @ 3149' cm w/ 1350ss; 7 @ 8268' cm w/ 900ss		3480	7/52 8133-8221
								3062 6590-6755			
								3/65 5904-6054 w/ CIBP @ 6350			
Apache Corporation	East Blinkey Drinkard Unit	29	1 21S 37E	990 FSL, 1650 FWL	Oil	30-025-06549-0001	Jun-52	8565 13 3/8 @ 257' cm w/ 225ss; 9 5/8 @ 3149' cm w/ 1000ss; 7 @ 8563' cm w/ 1000ss		3243	12/52 7958-8095
								1/61 6985-7350			
								4/61 6735-7395			
								6/80 6735-7330 commingled			
Apache Corporation	East Blinkey Drinkard Unit	31	1 21S 37E	330 FSL, 1980 FWL	Oil	30-025-06541-0000	Jan-54	6030 10 3/4 @ 242' cm w/ 250ss; 7 5/8 @ 3149' cm w/ 1570ss; 5 1/2 @ 6030' cm w/ 485ss		3791	3/54 5796-5840
								1/83 5796-5996			
Apache Corporation	East Blinkey Drinkard Unit	32	1 21S 37E	330 FSL, 330 FWL	Oil	30-025-06542-0000	Apr-54	5990 10 3/4 @ 263' cm w/ 250 ss; 7 5/8 @ 3149' cm w/ 1255ss; 5 1/2 @ 5897' cm w/ 362ss		4226	5/54 5780-5881
Apache Corporation	East Blinkey Drinkard Unit	35	1 21S 37E	660 FSL, 2310 FEL	Oil	30-025-06545-0000	Jan-56	6050 10 3/4 @ 275' cm w/ 300ss; 7 5/8 @ 5115' cm w/ 1150ss; 5 1/2 @ 6048' cm w/ 478ss		3842	1/56 5804-5984
Apache Corporation	Lochert B12	2	1 21S 37E	330 FSL, 810 FWL	Oil	30-025-06547-0000	Mar-52	8149 13 3/8 @ 260' cm w/ 260ss; 9 5/8 @ 3139' cm w/ 1200ss; 7 @ 8149' cm w/ 1200ss		1764	1/70 8096

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE
(See other instructions
on reverse side)

FOR APPROVED OMB NO. 1004-0137 Expires:
December 31, 1991

6. LEASE DESIGNATION AND SERIAL NO

LC-065525-A

8. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME, WELL NO.

Elliott Federal # 1

9. API WELL NO.

30-025-06332

10. FIELD AND POOL, OR WILDCAT

Blinebry Oil & Gas

11. SEC., T., R., M., OR BLOCK AND SURVEY
OR AREA

Sec. 1, T-21S, R-37E

Unit T

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

1a. TYPE OF WELL: ☒ Oil Well ☐ Gas Well ☐ Dry ☐ Other

b. TYPE OF COMPLETION:

☐ New Well ☐ Workover ☐ Deepen ☐ Plug Back ☐ Diff. Reservoir ☒ Other
Re-Activate Blinebry

2. NAME OF OPERATOR

Apache Corporation

3. ADDRESS AND TELEPHONE NO.

2000 Post Oak Blvd, Ste. 100, Houston, Texas 77056-4400 / 713-296-6000

4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)*

At surface

1650' FSL & 330' FWL

At top prod. interval reported below

At total depth

14. PERMIT NO.

DATE ISSUED

12. COUNTY OR

PARISH

Lea

13. STATE

NM

15. DATE SPUDDED

16. DATE T.D. REACHED

17. DATE COMPL. (Ready to prod.)

7/5/00

18. ELEVATIONS (DF, RKB, RT, GR, ETC.)*

3507'

19. ELEV. CASINGHEAD

20. TOTAL DEPTH, MD & TVD

8613

21. PLUG, BACK T.D., MD & TVD

6140

22. IF MULTIPLE COMPL.

HOW MANY *

23. INTERVALS

DRILLED BY

ROTARY TOOLS

CABLE TOOLS

24. PRODUCING INTERVAL (S), OF THIS COMPLETION - TOP, BOTTOM, NAME (MD AND TVD) *

Blinebry 5832 - 5954

25. WAS DIRECTIONAL
SURVEY MADE

26. TYPE ELECTRIC AND OTHER LOGS RUN

27. WAS WELL CORED

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

CASING SIZE/GRADE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	TOP OF CEMENT, CEMENTING RECORD	AMOUNT PULLED
13-3/8	48#	240	17-1/2	225 sx / Circulated 25 sx	
8-5/8	32#	3157	11	1750 sx / Circulated 150 sx	
5-1/2	15.5# & 17#	7370	7-7/8	525 sx / TOC @ 4370' (Calc)	

29. LINER RECORD

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)	30. TUBING RECORD
					SIZE DEPTH SET (MD) PACKER SET (MD)
					2-7/8 5992

31. PERFORATION RECORD (Interval, size and number)

Blinebry 5832-44, 52-76, 5906-25, 30-54 - 4" - 320 Holes
5840-5970 - 1/2" - 520 Holes (Abandoned)

RBP @ 6140' Pending Approval of Downhole Commingle

Wantz Abo 7058-7330 - 4" - 122 Holes

7120-21, 30-31, 40-45, 50-60, 95-7205 - 4" - 113 Holes (Abandoned)

RBP @ 7349'

Abo 7370-7605 Open Hole

McKee Open Hole

33 *

PRODUCTION

DATE FIRST PRODUCTION

7/5/00

PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)

Pumping - 1.5" Rod Insert

WELL STATUS (Producing or shut-in)

Producing

DATE OF TEST

8/2/00

HOURS TESTED

24

CHOKE SIZE

PROD'N FOR TEST PERIOD

Oil - Bbl.

OIL-BBL

5

GAS-MCF

5

WATER-BBL.

3

GAS-OIL RATIO

1000

FLOW TUBING PRESS.

CASING PRESSURE

CALCULATED

24-HOUR RATE

Oil - Bbl.

Gas - MCF

Water - Bbl.

Oil Gravity - API - (Corr.)

36.8

34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.)

Sold

Test Witnessed By

35. LIST ATTACHMENTS

36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records

SIGNED

Debra J. Anderson

TITLE

Sr. Engineering Technician

DATE

8/22/00

(See Instructions and Spaces for Additional Data on Reverse Side)

Title 18 U.S.C. Section 1001, makes it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

WELL DATA SHEET

LEASE Elliott Federal WELL NO. 2 FIELD Drinkard DATE 1-31-96LOCATION 1980 FEET FROM South LINE AND 1980 FEET FROM West LINESECTION 1 TOWNSHIP 21-S RANGE 37-E COUNTY Lea STATE N.M.LEASE Desig. & Ser. No. NMLCP45525A* WH conn: NoneGE: _____
KDB to GE _____
DF to GE _____Date Completed 1-31-96 P+AG
Initial Formation _____
FROM: 7079 TO: Surface
Initial Production _____ BOPD _____ BWPD _____
MCFPD _____ GOR _____

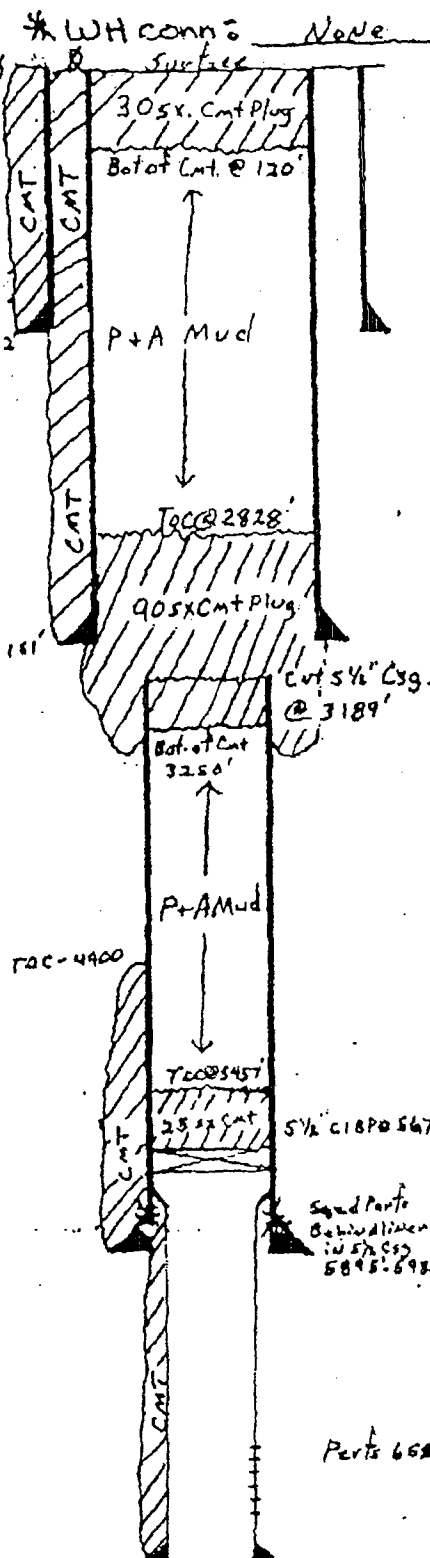
Plugging Data:

1-29-96 Set CIP @ 5675' Spot 6080' P+AG
Mud from 5675' to 7200'1-30-96 Spot 255x Cmt Plug from 5675'
to 5457' (218') - Cmt 5 1/2" Csg. @ 3189' - P+AG & L.D.RIH w/ 2 3/4" O.E. Tbg. - Spot 905x Cmt Plug
from 7250' up to 2779' - P+AG w/ Tbg.1-31-96 - RIH + Tag Cmt. @ 2828' - Circ. P+AG
Mud from 2828' up to Surface. P+AG w/ Tbg.
to 120' - Cmt. 5 1/2" Csg. from 120' to Surface
w/ 30.5x Cmt.7 5/8" OD 24 lbs.
8rd Thd Gr J-55
Csg set at
3151' w/ 400 sx
Cmt. Circ? No
TOC at Surface by
Braden Head & Topfill

Subsequent Workover or Reconditioning:

Present Prod. _____ BOPD _____ BWPD _____
MCFPD _____ GOR _____
Date _____

Remarks or Additional Data:

5 1/2" OD
Gr J-55
15.5' Csg set @
5953' w/ 100 sx
Cmt. Circ? No
TOC @ 4900 by
Calc.Sand Parts
Behind Liner
in 5 1/2" Csg
5895'-6980'

Parts 6582' to 6912'

4 1/2" 10.46 J-55 Csg.
From 7079' to 5724'

ITEM VII OF NEW MEXICO OCD FORM C-108
DATA ON PROPOSED OPERATIONS
EAST BLINEBRY DRINKARD UNIT (EBDU #57)
*(Formerly Elliott Federal #3)

- 1) Proposed average initial injection rate is 500 bwpd.
Maximum injection rate should not exceed 500 bwpd.
- 2) The injection system will be operated as a closed system.
- 3) Proposed average initial injection pressure is 1120 psi (0.2 psi/ft)
Proposed maximum pressure will not exceed the pressure limitations ordered by the Division.
Apache Corp. will perform step rate tests and anticipates securing a maximum injection pressure of 1375 psi (same as the Northeast Drinkard Unit).
- 4) Source water will come from the San Andres formation.
- 5) Not Applicable

ITEM VIII OF NEW MEXICO OCD FORM C-108
GEOLOGIC DATA ON THE INJECTION ZONE & UNDERGROUND DRINKING WATER
EAST BLINBRY DRINKARD UNIT (EBDU #57)

*(Formerly Elliott Federal #3)

The Formations being targeted for water injection are the Blinebry, Tubb, and Drinkard at depths ranging from approximately 5600' to 6800'. These formations are Leonardian in age and are a sequence of shallow marine carbonates, which have for the most part been dolomatized. A five percent porosity cut off is used to determine "pay" as porosity less than this is considered non-productive at the existing and proposed reservoir pressures and reservoir fluid regimes. Net pay isopach maps show the areal extent of the targeted reservoir. The vertical extent of the reservoir is limited top and bottom by impermeable shales and carbonates. All injected fluids should remain in the reservoir with the exception of cycling to the surface through wellbores.

Based on communication with the New Mexico State Engineer's Roswell office and a review of online files, there is 1 fresh water well (see attached) in the area of review for the new injection well. When the entire East Blinebry Drinkard Unit is considered, there are a total of 15 fresh water wells (see attached) in the area of review. The deepest of these wells is 136', which is assumed to be the base of fresh water. All wellbores involved with the proposed injection program are constructed as to not allow injection water into this fresh water source.

ITEMS IX THROUGH XII OF NEW MEXICO OCD FORM C-108
EAST BLINEBRY DRINKARD UNIT (EBDU #57)

*(Formerly Elliott Federal #3)

- IX. All of the current wellbores proposed for unitization have an existing fracture stimulation. Any new wells drilled subsequent to unitization will also be treated with a fracture stimulation, and it is assumed that all of the wellbores will be treated with acid at least once during the life of the waterflood.
- X. All logging and test data for the existing wellbores already exists on file with the State of New Mexico Oil Conservation Division and will not be resubmitted with this application.
- XI. It appears the only strata within one mile of our proposed unit which contains water of drinking quality is confined to 136' and shallower. No contaminations of this drinking water should occur as all existing wellbores which penetrate the Blinebry, Tubb, and Drinkard are constructed as to not allow injection water to escape the system.
- XII. After reviewing the geology in a one and one-half mile radius around the proposed waterflood area there appears no evidence of fractures or any hydrologic connection between the zone of injection and any overlying or underlying strata.

New Mexico Office of the State Engineer
POD Reports and Downloads

Township: Range: Sections: NAD27 X: Y: Zone: Search Radius: County: Basin: Number: Suffix: Owner Name: (First) (Last) ☐ Non-Domestic ☐ Domestic ☒ All

POD / SURFACE DATA REPORT 04/03/2006

(acre ft per annum)
DB File Nbr Use Diversion Owner
CP 00197 DOM 0 GEORGE W. SIMS

POD Number
CP 00197 DCL

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest) X Y are ir
Source Tws Rng Sec q q q Zone
21S 37E 01 1 4 1

Record Count: 1

New Mexico Office of the State Engineer
POD Reports and Downloads

Township:

Range:

NAD27 X:

Y:

Sections:

County:

Basin:

Zone:

Search Radius:

Owner Name: (First)

(Last)

Number:

Suffix:

POD / Surface Data Report

Avg Depth to Water Report

Clear Form

WATERS Menu

Help

Water Column Report

☐ Non-Domestic ☐ Domestic ☒ All

WATER COLUMN REPORT 04/03/2006
(quarters are 1=NW 2=NE 3=SW 4=SE)
Tws Rng Sec q q q q Zone

POD Number
No Records found, try again

X
Y
Depth Well Depth Water Column (in feet)

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 21S Range: 37E Sections: 1,2,3,10,11,12,13,14,23,24

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ☐ Non-Domestic ☐ Domestic ☐ All

Well / Surface Data Report ☐ Avg Depth to Water Report ☐ Water Column Report ☐

WELL / SURFACE DATA REPORT 03/29/2005

(acre ft per annum)				(quarters are 1=NW 2=NE 3=SW 4=SE) (quarters are biggest to smallest)										UTM are f	
DB File Nbr	Use	Diverston	Owner	Well Number	Source	Tws	Ring	Sec	q	q	q	X	Y	are in feet	UTM Zone
CP 00014	IND	75	VERSADO GAS PROCESSORS, LLC	CP 00014		21S	37E	23	2	3	1				13
CP 00134	STK	0	MARTON STEPHENS	CP 00134 DCL		21S	37E	24	1	1	1				13
CP 00137	STK	0	WM. O. STEPHENS	CP 00137 DCL		21S	37E	13	1	2	2				13
CP 00197	DOM	0	GEORGE W. SIMS	CP 00197 DCL		21S	37E	01	1	4	1				13
CP 00212	DOM	0	J. M. OWENS	CP 00212 DCL		21S	37E	14	1	2	2				13
CP 00224	IND	31	VERSADO GAS PROCESSORS, LLC	CP 00224		21S	37E	23	3	3	4				13
CP 00235	IND	61	VERSADO GAS PROCESSORS, LLC	CP 00235		21S	37E	23	1	2	2				13
CP 00236	IND	40	VERSADO GAS PROCESSORS, LLC	CP 00236		21S	37E	23	2	1	3				13
CP 00238	IND	40	VERSADO GAS PROCESSORS, LLC	CP 00238		21S	37E	23	2	3	3				13
CP 00239	IND	25	VERSADO GAS PROCESSORS, LLC	CP 00239	Shallow	21S	37E	23	2	1	1				13
CP 00240	IND	34	VERSADO GAS PROCESSORS, LLC	CP 00240	Shallow	21S	37E	23	1	2	4				13
CP 00241	IND	11	VERSADO GAS PROCESSORS, LLC	CP 00241	Shallow	21S	37E	23	1	2	4				13
CP 00562	STK	3	JIMMIE D. WEIR	CP 00562	Shallow	21S	37E	23	2	2	1				13
CP 00700	MUL	3	WAYNE R. WALKER	CP 00700	Shallow	21S	37E	23	2			924000	6600000		13

Record Count: 14

<http://i/waters.ose.state.nm.us:7001/iWATERS/WellAndSurfaceDispatcher>

3/29/2005

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 21S Range: 37E Sections: 1,2,3,10,11,12,13,14,23,24

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ☐ Non-Domestic ☐ Domestic ☐ All

Well/Surface Data Report Avg Depth to Water Report Water Column Report

Clear Form WATERS Menu Help

WATER COLUMN REPORT 03/29/2005

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest)

Well Number	Twp	Range	Sec	Q	Q	Q	Zone	X	Y	Depth Well	Depth Water	Water Column	Depth (in feet)
CP 00235	21S	37E	23	1	2	2				81			
CP 00241	21S	37E	23	1	2	4				76			
CP 00240	21S	37E	23	1	2	4				72			
CP 00700	21S	37E	23	2				924000	6600000	75	65	10	
CP 00239	21S	37E	23	2	1	1				89			
CP 00236	21S	37E	23	2	1	3				83			
CP 00562	21S	37E	23	2	2	1				136	65	71	
CP 00014	21S	37E	23	2	3	1				84			
CP 00238	21S	37E	23	2	3	3				81			
CP 00224	21S	37E	23	3	3	4				96			

Record Count: 10

<http://waters.ose.state.nm.us:7001/WATERS/WellAndSurfaceDispatcher>

3/29/2005

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: 21S Range: 38E Sections: 6,7,18

NAD27 X: Y: Zone: Search Radius:

County: Basin: Number: Suffix:

Owner Name: (First) (Last) ☐ Non-Domestic ☐ Domestic ☐ All

WELL / SURFACE DATA REPORT 03/29/2005

DB File Nbr	(acre ft per annum)	Well Number	(quarters are 1=NW 2=NE 3=SW 4=SE)	X Y are in Feet	UTM are
Use	Diversions Owner	CP 00070	Source	17s Rng Sec q q q	Zone
STK	3 MCWAY DRILLING CO.	Shallow	21s 38E 07 3 2 2	X	Y
					UTM Zone
					13

Record Count: 1

New Mexico Office of the State Engineer
Well Reports and Downloads

Township: Range: Sections: NAD27 X: Y: Zone: Search Radius: County: Basin: Number: Suffix: Owner Name: (First) (Last) ☐ Non-Domestic ☐ Domestic ☐ All☐ Well / Surface Data Report ☐ Avg Depth to Water Report ☐ Water Column Report

WATER COLUMN REPORT 03/29/2005

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are biggest to smallest) X Y Depth Depth Water (in feet)
TwS Rng Sec q q q Zone Well Water Column
CP 00070 21S 38E 07 3 2 2 72 25 47

Record Count: 1

<http://waters.ose.state.nm.us:7001/WATERS/WellAndSurfaceDispatcher>

3/29/2005