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 Street, Apt. No.,
 or PO Box No. P.O. Box 1149
 City, State, ZIP+4 Santa Fe, NM 87504 Attn: Jamie Bailey

PS Form 3800, June 2002 See Reverse for Instructions

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

PS Form 3800, June 2002 See Reverse for Instructions

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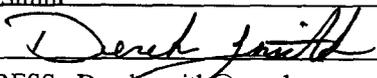
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Sent To Chevron USA Inc.
 Street, Apt. No.,
 or PO Box No. 1111 South Wilcrest
 City, State, ZIP+4 Houston, TX 77099 Attn: Robert A. Humberger III

PS Form 3800, June 2002 See Reverse for Instructions

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: Secondary Recovery Pressure Maintenance Disposal Storage
Application qualifies for administrative approval? 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? 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.

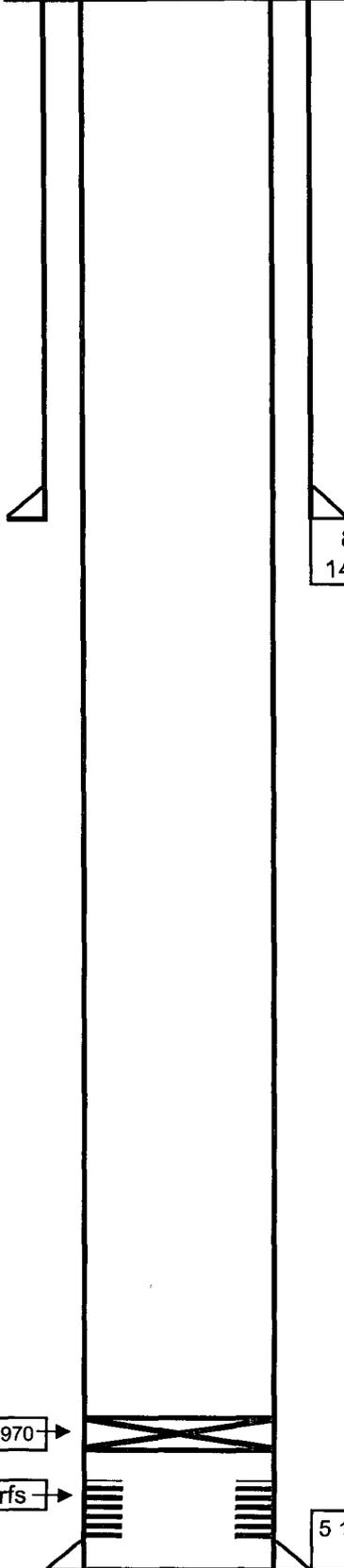
NO ACTION WILL BE TAKEN ON THE APPLICATION UNTIL PROPER PROOF OF NOTICE HAS BEEN SUBMITTED.

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.

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

Wellbore Schematic



Well Construction Data

Surface Casing

Hole Size (in): 12 1/4 Casing Size (in): 8 5/8
 Cemented w/ (sx): 730 or (ft³): _____
 Top of Cement: Surface Determined by: Circ to surf

Intermediate Casing

Hole Size (in): N/A Casing Size (in): _____
 Cemented w/ (sx): _____ or (ft³): _____
 Top of Cement: _____ Determined by: _____

Production Casing

Hole Size (in): 7 7/8 Casing Size (in): 5 1/2
 Cemented w/ (sx): 1560 or (ft³): _____
 Top of Cement: 2658 Determined by: Calc.
 Total Depth: 7500'

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): _____

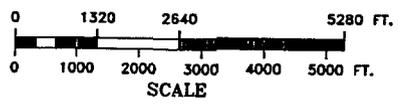
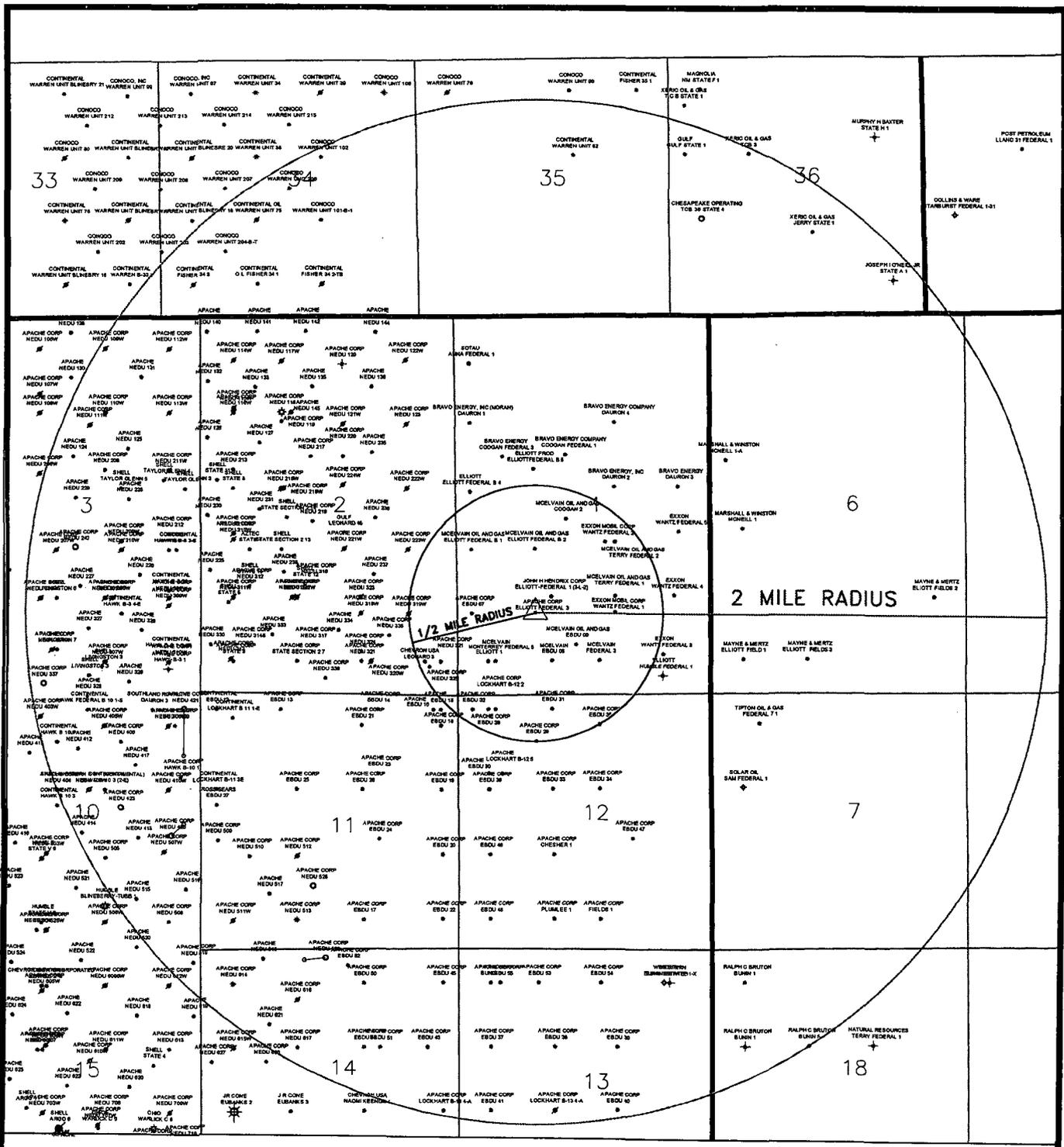
Additional Data

1. Is this a new well drilled for injection? Yes _____ No X
 If no, for what purpose was the well originally drilled? Oil Production
2. Name of the injection formation: Blinebry & Drinkard
3. Name of Field or Pool (if applicable): Blinebry & Drinkard
4. 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
5. 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 (700')

CIBP @ 6970 →

Abo Perfs →

5 1/2 set @ 7500
w/ 1560sx





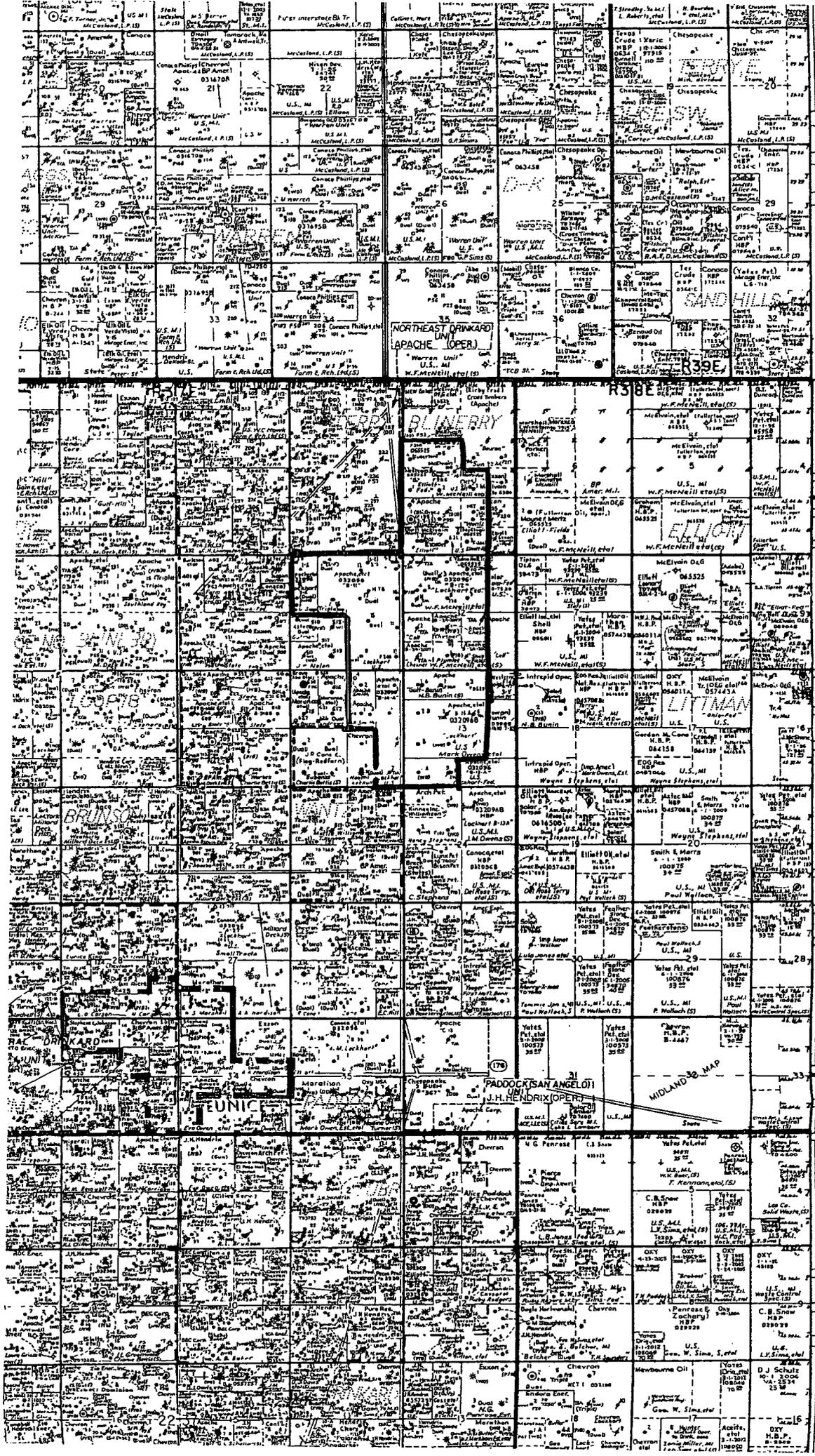
TWO WARREN PLACE, SUITE 1500
6120 SOUTH YALE
TULSA, OKLAHOMA 74136-4224

EBDU #57
Sec.1-21S 37E
LEA COUNTY, NEW MEXICO

(Formerly Elliott Federal #3)

DATE: 3/28/06

ELLIOT-FED #3 (DEREK)



10 S

BLK. A-28

32°30'

GAINES County

ANDREWS County

T 21 S

BLK. A-29

28 28'

32°25'

BLK. A-39

ANDREWS County

Operator	Lease Name	Well #	Location	Footage	Type	API	Spud Date	TD	Construction	Top of Cont.	Completion & Comments
Apache Corporation	East Blinthey Drinkant Unit	31 21S 37E	2970 FSL, 330 FWL	Oil	30-025-06533-0000		Jul-54	5971	8 5/8 @ 3145' cent w/ 75k; 5 1/2 @ 3880' cent w/ 350 ss	4254	7/54 5880-5971 O.H.
Apache Corporation	East Blinthey Drinkant Unit	4 1 21S 37E	660 FSL, 2310 FEL	Oil	30-025-06533-0000		Oct-54	5997	8 5/8 @ 3016' cent w/ 1200ss; 5 1/2 @ 5900' cent w/ 450ss	3823	11/54 5900-5997 O.H.
Apache Corporation	East Blinthey Drinkant Unit	5 1 21S 37E	2970 FSL, 1650 FWL	Oil	30-025-06533-0000		Sep-54	6001	8 5/8 @ 3087' cent w/ 1150ss; 5 1/2 @ 7788' cent w/ 350ss	4269	10/54 5885-6001 O.H.
Apache Corporation	East Blinthey Drinkant Unit	6 1 21S 37E	4195 FSL, 2310 FWL	Oil	30-025-06533-0002		Nov-88	7790	8 5/8 @ 1588' cent w/ 608ss; 5 1/2 @ 7788' cent w/ 1100ss	2710	12/88 7091-7734
Apache Corporation	East Blinthey Drinkant Unit	7 1 21S 37E	1650 FSL, 330 FWL	Oil	30-025-06533-0000		Dec-51	8613	13 3/8 @ 2407' cent w/ 225ss; 8 5/8 @ 1517' cent w/ 1750ss; 5 1/2 @ 7370' cent w/ 375ss	5639	3/52 5840-5970
Apache Corporation	East Blinthey Drinkant Unit	8 1 21S 37E	660 FSL, 1980 FWL	Oil	30-025-06533-0000		Dec-51	6015	10 3/4 @ 232' cent w/ 258ss; 7 5/8 @ 1166' cent w/ 458ss; 5 1/2 @ 5851' cent w/ 358ss	4235	7/54 5851-6015 O.H.
Apache Corporation	East Blinthey Drinkant Unit	9 1 21S 37E	990 FSL, 2480 FWL	Oil	30-025-34937-0000		Jun-00	7750	8 5/8 @ 1600' cent w/ 519ss; 5 1/2 @ 3750' cent w/ 1400ss	1288	7064-7663 size
Apache Corporation	East Blinthey Drinkant Unit	10 1 21S 37E	1980 FSL, 1980 FWL	Oil	30-025-06533-0000		Aug-52	6070	10 3/4 @ 323' cent w/ 165ss; 7 5/8 @ 1139' cent w/ 1000ss; 5 1/2 @ 6070' cent w/ 300ss	4685	10/52 5989-6065
Apache Corporation	East Blinthey Drinkant Unit	11 1 21S 37E	3100 FSL, 1980 FEL	Oil	30-025-06533-0000		Oct-52	6110	10 3/4 @ 319' cent w/ 358ss; 7 5/8 @ 1190' cent w/ 1000ss; 5 1/2 @ 6110' cent w/ 725ss	4610	12/52 5972-6110
Apache Corporation	East Blinthey Drinkant Unit	1 1 21S 37E	660 FSL, 660 FWL	Oil	30-025-06533-0000		Sep-51	8370	13 3/8 @ 218' cent w/ 258ss; 8 5/8 @ 1150' cent w/ 1380ss; 5 1/2 @ 8333' cent 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' cent w/ 125ss; 7 5/8 @ 1152' cent w/ 633ss; 5 1/2 @ 5954' cent w/ 108ss; 4 1/2 thru	5492	6/69 PB 7263, 7088-7213
Apache Corporation	Ellis Federal	3 1 21S 37E	1650 FSL, 1650 FWL	Oil	30-025-29061-0000		Dec-84	7500	8 5/8 @ 1498' cent w/ 735ss; 5 1/2 @ 7500' cent w/ 1460ss	2658	7/85 7041-7662
Apache Corporation	East Blinthey Drinkant Unit	56 1 21S 37E	660 FSL, 810 FWL	Oil	30-025-06534-0000		Sep-52	5987	10 3/4 @ 232' cent w/ 258ss; 7 @ 3152' cent w/ 1400ss; 5 1/2 @ 5810' cent w/ 358ss; 4 5/8 @ 7500' cent w/ 1475ss	4194	10/52 5810-5987 O.H.
Exxon Mobil	Wanz Federal	1 1 21S 37E	1650 FSL, 1980 FEL	Oil	30-025-29372-0000		Sep-85	8002	8 5/8 @ 1562' cent w/ 758ss; 5 1/2 @ 8001' cent w/ 2600ss	4885	6964-7426
Exxon Mobil	Wanz Federal	2 1 21S 37E	3100 FSL, 2180 FEL	Oil	30-025-29897-0000		Apr-86	7816	8 5/8 @ 1524' cent w/ 808ss; 5 1/2 @ 7805' cent w/ 2400ss	5185	7202-7724
Chevron USA	H Leonard State F	3 2 21S 37E	650 FSL, 660 FEL	Oil	30-025-06534-0000		Mar-52	8168	13 3/8 @ 225' cent w/ 358ss; 8 5/8 @ 2084' cent w/ 1075ss; 5 @ 8167' cent w/ 975ss	4306	6/00 8140
Apache Corporation	NEDU	319W 2 21S 37E	1650 FSL, 990 FEL	Oil-W	30-025-06533-0002		Oct-88	8470	13 3/8 @ 109' cent w/ 158ss; 8 5/8 @ 3099' cent w/ 1375ss; 5 1/2 @ 6019' cent w/ 608ss; 4 @ 5711-7587' cent w/ 825ss	2400	8/95-9215, 7928-75, 8410-5975
Apache Corporation	NEDU	32 1 21S 37E	660 FSL, 330 FEL	Oil	30-025-06533-0000		May-53	5970	12 3/4 @ 309' cent w/ 358ss; 8 5/8 @ 3099' cent w/ 2300ss; 5 1/2 @ 5750' cent w/ 195ss	4830	7/50-9710 O.H.
Apache Corporation	NEDU	325 1 21S 37E	555 FSL, 555 FEL	Oil	30-025-06549-0000		Jun-52	8013	12 3/4 @ 287' cent w/ 308ss; 8 5/8 @ 3049' cent w/ 1100ss; 5 1/2 @ 8008' cent w/ 925ss	3738	7615-7955
Apache Corporation	East Blinthey Drinkant Unit	28 1 21S 37E	330 FSL, 660 FWL	Oil	30-025-06538-0002		Apr-52	8268	13 3/8 @ 275' cent w/ 258ss; 9 5/8 @ 3149' cent w/ 1350ss; 7 @ 8268' cent w/ 908ss	3480	7/52 8133-8221
Apache Corporation	East Blinthey Drinkant Unit	29 1 21S 37E	990 FSL, 1650 FWL	Oil	30-025-06541-0001		Jun-52	8665	13 3/8 @ 237' cent w/ 225ss; 9 5/8 @ 1149' cent w/ 1008ss; 7 @ 8563' cent w/ 1000ss	3243	3/65 5944-6054 w/ CIBF @ 6350
Apache Corporation	East Blinthey Drinkant Unit	31 1 21S 37E	330 FSL, 1980 FWL	Oil	30-025-06541-0000		Jan-54	6030	10 3/4 @ 242' cent w/ 258ss; 7 5/8 @ 1149' cent w/ 1570ss; 5 1/2 @ 6030' cent w/ 485ss	3791	3/54 5796-5840
Apache Corporation	East Blinthey Drinkant Unit	32 1 21S 37E	330 FSL, 330 FWL	Oil	30-025-06542-0000		Apr-54	5990	10 3/4 @ 263' cent w/ 250 ss; 7 5/8 @ 3149' cent w/ 1235ss; 5 1/2 @ 5897' cent w/ 362ss	4228	5/54 5780-5881
Apache Corporation	East Blinthey Drinkant Unit	35 1 21S 37E	660 FSL, 2310 FEL	Oil	30-025-06545-0000		Jan-56	6150	10 3/4 @ 275' cent w/ 308ss; 7 5/8 @ 5115' cent w/ 1150ss; 5 1/2 @ 6048' cent w/ 478ss	3842	1/56 5804-5984
Apache Corporation	Lockhart B12	2 1 21S 37E	330 FSL, 810 FWL	Oil	30-025-06547-0000		Mar-52	8149	13 3/8 @ 240' cent w/ 268ss; 9 5/8 @ 3139' cent w/ 1208ss; 7 @ 8149' cent w/ 1208ss	1764	7/70 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

WELL COMPLETION OR RECOMPLETION REPORT AND LOG*

6. LEASE DESIGNATION AND SERIAL NO
LC-065525-A

8. IF INDIAN, ALLOTEE 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**

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 **GR**

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 **30. TUBING RECORD**

SIZE	TOP (MD)	BOTTOM (MD)	SACKS CEMENT *	SCREEN (MD)	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

32.

DEPTH INTERVAL	AMOUNT AND KIND OF MATERIAL USED
5832 - 5954	Acidize w/ 4000 gals 15% HCL
5841 - 5970	Cement squeeze w/ 150 sx
7121 - 7205	Cement squeeze w/ 250 sx
7605 - 8613	Cement plugback w/ 450 sx

33. PRODUCTION

DATE FIRST PRODUCTION	PRODUCTION METHOD (Flowing, gas lift, pumping - size and type of pump)	WELL STATUS (Producing or shut-in)
7/5/00	Pumping - 1.5" Rod Insert	Producing

DATE OF TEST	HOURS TESTED	CHOKE SIZE	PROD'N FOR TEST PERIOD	OIL-BBL.	GAS-MCF	WATER-BBL.	GAS-OIL RATIO
8/2/00	24		→	5	5	3	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

WELL DATA SHEET

LEASE Elliott Federal WELL NO. 2 FIELD Drinkard DATE 1-31-96

LOCATION 1980 FEET FROM South LINE AND 1980 FEET FROM West LINE

SECTION 1 TOWNSHIP 21-S RANGE 37-E COUNTY Lea STATE N.M.

Lease Desig. & Ser. No. NMLCP 65525A

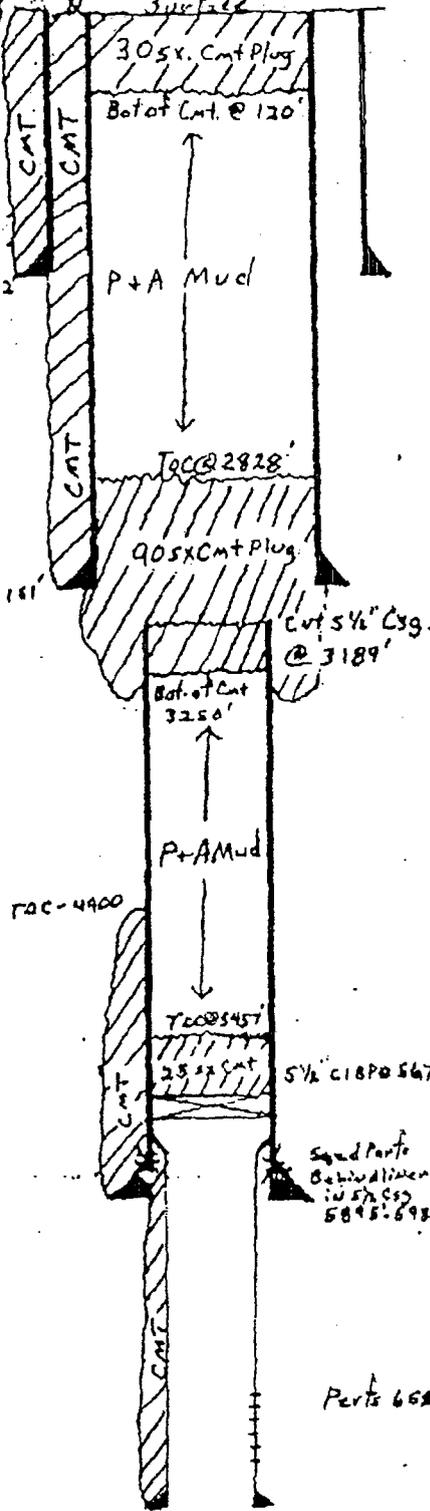
* WH conn's None

Date Completed 1-31-96 P+AB

GE: _____
KDB to GE _____
DF to GE _____

Initial Formation _____
FROM: 7079 TO: Surface
Initial Production _____ BOPD _____ BWPD _____
MCFPD _____ GOR _____

Plugging Data:
1-29-96 Set CIAP @ 5675', spot 6000' P+AB Mud from 5675' to 7200'
1-30-96 Spot 25'x Cmt Plug from 5675' to 5457' (218') - Cmt 5 1/2" Csg. @ 3189' - P+AB + D.
RIH w/ 2 3/4" O.E. Tbg. - Spot 90'x Cmt Plug from 7250' up to 2779' - P+AB w/ Tbg.
1-31-96 - RIH + Tag Cmt. @ 2828' - Circ. P+AB Mud from 2828' up to Surface. P+AB w/ Tbg. to 120' - Cmt. 5 1/2" Csg. from 120' to Surface w/ 30'x Cmt.



10 3/4" OD 40.5 lbs. Surf. Pipe set @ 242 w/ 125 SX cmt. Circ? Yes

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 Heat Topfill

5 1/2" OD Gr J55 15.5 # Csg set @ 5953' w/ 100 SX Cmt. Circ? No TOC @ 4900 by Calc.

Subsequent Workover or Reconditioning:

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

Remarks or Additional Data:

4" - 10.46" J55 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)

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

X Y are ir

DB File Nbr Use Diversion Owner

POD Number

Source

21S 37E 01 1 4 1

Zone

CP 00197 DOM 0 GEORGE W. SIMS

CP 00197 DCL

Record Count: 1

New Mexico Office of the State Engineer
POD Reports and Downloads

Township:

Range:

Sections:

NAD27 X:

Y:

County:

Basin:

Zone:

Search Radius:

Owner Name: (First)

(Last)

Number:

Suffix:

POD / Surface Data Report

Avg Depth to Water Report

Water Column Report

Non-Domestic Domestic All

WATER COLUMN REPORT 04/03/2006

POD Number
(quarters are 1=NW 2=NE 3=SW 4=SE)
Iws Rng Sec q q q q Zone

No Records found, try again. X
Y Depth Well Depth Water Column Water (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

WELL / SURFACE DATA REPORT 03/29/2005

DB File Nbr	Use	(acre ft per annum)	Diverston	Owner	Well Number	(quarters are 1=NW 2=NE 3=SW 4=SE)	Source	Tws	Rng	Sac	q	q	q	q	X	Y	are in feet	UTM Zone	
CP 00014	IND	75		VERSADO GAS PROCESSORS, LLC	CP 00014		Shallow	21S	37E	23	2	3	1				924000	6600000	13
CP 00134	STK	0		MARION STEPHENS	CP 00134 DCL		Shallow	21S	37E	24	1	1	1						13
CP 00137	STK	0		WM. O. STEPHENS	CP 00137 DCL		Shallow	21S	37E	13	1	2	2						13
CP 00197	DOM	0		GEORGE W. SIMS	CP 00197 DCL		Shallow	21S	37E	01	1	4	1						13
CP 00212	DOM	0		J. M. OWENS	CP 00212 DCL		Shallow	21S	37E	14	1	2	2						13
CP 00224	IND	31		VERSADO GAS PROCESSORS, LLC	CP 00224		Shallow	21S	37E	23	3	3	4						13
CP 00235	IND	61		VERSADO GAS PROCESSORS, LLC	CP 00235		Shallow	21S	37E	23	1	2	2						13
CP 00236	IND	40		VERSADO GAS PROCESSORS, LLC	CP 00236		Shallow	21S	37E	23	2	1	3						13
CP 00238	IND	40		VERSADO GAS PROCESSORS, LLC	CP 00238		Shallow	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								13

Record Count: 14

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

WATER COLUMN REPORT 03/29/2005

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

Well Number	Twr	Req	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water Column (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

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
 Clear Form WATERS Menu Help

WELL / SURFACE DATA REPORT 03/29/2005

(acre ft per annum) (quarters are 1=NW 2=NE 3=SW 4=SE)
 DB File Nbr Use Division Owner Well Number (quarters are biggest to smallest) X Y are in Feet UTM are
 CP 00070 STK 3 MCVAY DRILLING CO. CP 00070 Shallow 21S 38E 07 3 2 2 Zone X Y UTM Zone
 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

WATER COLUMN REPORT 03/29/2005

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

Well Number	Tws	Rng	Sec	q	q	q	Zone	X	Y	Depth Well	Depth Water	Water Column	Water (in feet)
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