# STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

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**Oil Conservation Division** 1220 South St. Francis Dr. Santa Fe, New Mexico 87505

	APPLICATION FOR AUTHORIZATION TO INJECT
I.	PURPOSE:       X       Secondary Recovery       Pressure Maintenance       Disposal       Storage         Application qualifies for administrative approval?       Yes       X       No
П.	OPERATOR: APACHE CORPORATION
	ADDRESS 6120 S. Yale Ave., Suite 1500, Tulsa, OK 74136
	CONTACT PARTY: KEVIN MAYES PHONE: 918-491-4972
, 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:
	<ol> <li>Proposed average and maximum daily rate and volume of fluids to be injected;</li> <li>Whether the system is open or closed;</li> <li>Proposed average and maximum injection pressure;</li> <li>Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,</li> <li>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.).</li> </ol>
*VII	1. 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: KEVIN MAYES TITLE: SR. STAFF RESERVOIR ENGINEER
	SIGNATURE: 10 mayor DATE: 2/26/08
*	E-MAIL ADDRESS: <u>kevin.mayes@usa.apachecorp.com</u> If the information required under Sections VI, VIII, X, and XI above has been pr Please show the date and circumstances of the earlier submittal: Oil Conservation Division
	Case No
DIST	RIBUTION: Original and one copy to Santa Fe with one copy to the appropriate I Exhibit No.

#### Side 2

## 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.

Alphabete order CTION WELL DATA SHEET Side 1 APACHE CORPORATION OPERATOR: LEONARD WELL NAME & NUMBER HARRY NCT F .4 181 660 FML 660 FEL UNIT LETTER ľ6 37E 215 WELL LOCATION: FOOTAGE LOCATION TOWNSHIP RANGE SECTION WELLBORE SCHEMATIC WELL CONSTRUCTION DATA Surface Casing 17 1/2 13 Hole Size: Casing Size: Cemented with: 300 Surf Top of Cement: Method Determined: Intermediate Casing 12 1/4 29 Casing Size: Hole Size: Cemented with: 1300 Calc Surf Top of Cement: Method Determined: Production Casing 9 5/8 Hole Size: Casing Size: 2800' 700 Cemented with: Cal C. .79 Top of Cement: Method Determined: 6699 Total Depth: Injection Interval 6690' 5793 feet to (Perforated on Open Hole? indicate which) INJECTION WELL DATA SHEET Lining Material: PLastic Tubing Size:  $2^{3/8}$ Lokset Type of Packer: Baker. 5500 Packer Setting Depth: Other Type of Tubing/Casing Seal (if applicable): Additional Data مماد الدار ما ما مانکند کرد. از در وروه میداند. در در از مان از مارد مان مارد ماند از ماند. Yes X No 1. Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? Oil Production (592-8/63) 5565- 5722 5793-5888 Name of the Injection Formation: Blinebry and DrinKard 6180-6290 Name of Field or Pool (if applicable): <u>Blinebry</u> and Drinkard Has the well ever been perforated in any other zone(s)? List all such perforated EBP@ 6350 intervals and give plugging detail, i.e. sacks of cement or plug(s) used. BP@6638 6645 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')6699 Below - Abo .00' 72

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TION WELL DATA SHEET Side I OPERATOR: APACHE CORPORATION WELL NAME & NUMBER: HAWK A 02 WELL LOCATION: 1980 FNL 8 215 37E 660 FEL FOOTAGE LOCATION UNIT LETTER TOWNSHIP RANGE SECTION WELL CONSTRUCTION DATA WELLBORE SCHEMATIC Surface Casing 13 % Hole Size: Casing Size: 250 Cemented with: Surf alc Method Determined: Top of Cement: Intermediate Casing 13 121/4 120 Casing Size: Hole Size: Cemented with: 1000 . sx. Top of Cement: 1190 Method Determined: Production Casing 9 <sup>5</sup>/s " 8 14 Hole Size: Casing Size: Cemented with: 800 sx: 2859 Top of Cement: 2950 Method Determined: Calc Total Depth: 6730 Injection Interval feet to 6643 5785 (Perforated or Open Hole; indicate which) INJECTION WELL DATA SHEET Tubing Size: 2 3/8 Lining Material: Plastic Type of Packer: Baker Lokset Packer Setting Depth: 5700' Other Type of Tubing/Casing Seal (if applicable): 3507-3685 (512-11 300 5X) Additional Data ±5785-6050 Is this a new well drilled for injection? Yes X No = 6298 - 6432 If no, for what purpose was the well originally drilled? Oil Production 6521 1 6553 - 6643 6664-6675 Name of the Injection Formation: Blinebry and Drinkard Name of Field or Pool (if applicable): Bline bry and Drinkard 6680-6704<sup>3</sup> 6710-67204 Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. 6730 Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: <u>Above - San Andres (4800'</u>) 5, Below - Abo (7200'

**CTION WELL DATA SHEET** Side 1 APACHE CURPORATION OPERATOR: WELL NAME & NUMBER: HAKK A 03 9 215 37E WELLLOCATION: 1980 660 FHL FNL FOOTAGE LOCATION TOWNSHIP UNIT LETTER SECTION RANGE WELLBORE SCHEMATIC WELL CONSTRUCTION DATA Surface Casing 13 3/2 Casing Size: Hole Size: 200 Cemented with: Surf Calc Method Determined; Top of Cement: 133/8 Intermediate Casing 121/4 280' Hole Size: Casing Size: 550 Cemented with: Method Determined: Calc Top of Cement: 350 Production Casing 9 5/8 83/4 Casing Size Hole Size: 2826 500 Cemented with: 3800 Top of Cement: Method Determined: 6710 Total Depth: Injection Interval 6710 787 feet to (Perforated or Open Hole; indicate which) INJECTION WELL DATA SHEET PLastic Lining Material: Tubing Size: Lokset Ke. Type of Packer: 5750 Packer Setting Depth: Other Type of Tubing/Casing Seal (if applicable): Additional Data X No 1. Is this a new well drilled for injection? Yes If no, for what purpose was the well originally drilled? Oil Production 2. Name of the Injection Formation: Blinebry and Drinkara 5787-60013. Name of Field or Pool (if applicable): Blinebry and Drin Kord B Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. \_ 6684 Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Above - Son Andres 5 `4800') injection zone in this area: Above - Son openhole) TD= 6710 elow-Abo (7200

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CTION WELL DATA SHEET Side 1 APACHE CORPORATION OPERATOR: WELL NAME & NUMBER: HAKK  $\cap 5$ 9 WELL LOCATION: 660 FNL 660 FWL 215 37E FOOTAGE LOCATION TOWNSHIP UNIT LETTER SECTION RANGE WELL CONSTRUCTION DATA WELLBORE SCHEMATIC Surface Casing Casing Size:\_\_ Hole Size: Cemented with: sx. Top of Cement: Method Determined: Intermediate Casing 8 5/R Casing Size: Hole Size: 500 st Cemented with: Top of Cement: Surf Method Determined: Calc Production Casing 85 7. % 5 1/2 Casing Size: Hole Size: 1325 Cemented with: \_\_\_\_\_\_500 \_\_\_\_\_sx. Top of Cement: 1300 Method Determined: Total Depth: 6800 Injection Interval 6781 5760 feet to (Perforated or Open Hole; indicate which) INJECTION WELL DATA SHEET 3/8 Lining Material: Plastic Tubing Size: .7-Baker Lokset. Type of Packer: Packer Setting Depth: 5700 Other Type of Tubing/Casing Seal (if applicable): 7 Soft 3000-3770 # 3000 - 3333 65 5% Additional Data · 3394-3770 1. Is this a new well drilled for injection? Yes 🗙 No If no, for what purpose was the well originally drilled? Oil Production 5760-6019 =619B - 6400/10/07) 6509 2. Name of the Injection Formation: Blinebry and Drinkard 6586-6781 3. Name of Field or Pool (if applicable): Blinebry and Drin Kard 4. Has the well ever been perforated in any other zone(s)? List all such perforated 5 12 intervals and give plugging detail, i.e. sacks of cement or plug(s) used. 6 8 O Ò Give the name and depths of any oil or gas zones underlying or overlying the proposed 5 san Andres (4800') injection zone in this area: Above -Below - Abo (7200'

CTION WELL DATA SHEET Side 1 APACHE CORPORATION OPERATOR: HAWK A 08 WELL NAME & NUMBER: 3 7E 215 990 FNL WELL LOCATION: 660 FEL FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE WELLBORE SCHEMATIC WELL CONSTRUCTION DATA Surface Casing Hole Size: Casing Size: Cemented with: ft 5X. Method Determined: Calc Top of Cement: Intermediate Casing Hole Size: 1214 Casing Size: 8 5/8 Cemented with: 475 sx. Surt Top of Cement: Method Determined: Production Casing 8 5/8 Casing Size:\_\_ 5 1/2 7% Hole Size: 1294 Cemented with: 705 Top of Cement: \_\_\_\_\_\_ Method Determined: Calc Total Depth: 6980 Injection Interval 5673' -6775' feet to (Perforated or Open Hole; indicate which) INJECTION WELL DATA SHEET Tubing Size: 2-3/8 Lining Material: Plastic Type of Packer Baker Lokset Packer Setting Depth: 5600 Other Type of Tubing/Casing Seal (if applicable): \$5673-5913 Additional Data Yes 🗙 No 1. Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? \_Oil Production 丰6573-6775 Name of the Injection Formation: Blinebry and Drinka 2. · 6661 Name of Field or Pool (if applicable): Bline Ery and Drinkard 3. ★ 6797-6860 Has the well ever been perforated in any other zone(s)? List all such perforated 51/2" ( SQZ)4 intervals and give plugging detail, i.e. sacks of cement or plug(s) used. 6980' Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Abave - San Andres (4800')· 5. Below - Abo (7200'

CTION WELL DATA SHEET Side 1 OPERATOR: <u>APACHE</u> CORPORATION WELL NAME & NUMBER: HAWK B-1 AIC #01 215 378 9 WELL LOCATION: 1980 FNL 1980 FK/L FOOTAGE LOCATION UNIT LETTER TOWNSHIP RANGE SECTION WELLBORE SCHEMATIC WELL CONSTRUCTION DATA Surface Casing 171/2 133/8 Hole Size: Casing Size: 200 . st. Cemented with: Surt Method Determined: Calc Top of Cement: Intermediate Casing 12 12 1/4 Hole Size: Casing Size: Cemented with: 500 sx. Calc Top of Cement: 1628 Method Determined: Production Casing 8 3/4 Casing Size: Hole Size: Cemented with: 500 sx. Top of Cement: 3550 Method Determined: Calc 6675 Total Depth: Injection Interval 6674 5645 feet to (Perforated or Open Hole; indicate which) INJECTION WELL DATA SHEET Tubing Size: 2 3/8 Lining Material: PLastic Type of Packer: Baker Lokset Packer Setting Depth: \_\_\_\_ 5600 Other Type of Tubing/Casing Seal (if applicable): Additional Data Yes X No 1. Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? <u>Oil</u> Production ±5645-5837 Name of the Injection Formation: \_\_\_\_\_\_Blinebry and Drinkard =6588-6650 Name of Field or Pool (if applicable): Blinebry and Drinkard =66,66-6674 7 6674 Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. 5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: <u>Above - San Andres</u> 4800' Below - Abo (7200')

CTION WELL DATA SHEET Side 1 Apache Corporation OPERATOR: KA Hawk R-1 WELL NAME & NUMBER: 3/12/08 9 37E 19BD FS 19 FOOTAGE LOCATION 1980 FE 21.5 WELL LOCATION: TOWNSHIP UNIT LETTER RANGE SECTION WELLBORE SCHEMATIC WELL CONSTRUCTION DATA Surface Casing 133/4 171/2 Hole Size: Casing Size: 133/8 @ 200' 200 Cemented with: s. Circ Surt Top of Cement: Method Determined: Intermediate Casing 95/8 1214 Casing Size: Hole Size: 500 Cemented with: 95/8 10 2789' 1410 Method Determined: Calc. Top of Cement: Production Casing 8<sup>3</sup>/4 7 Casing Size: Hole Size: 500 Cemented with: ft 2942 Calc Top of Cement: Method Determined: 6735 Total Depth: Injection Interval 6735 feet to (Perforated & Open Hole; indicate which) INJECTION WELL DATA SHEET 2 3/4 \_Lining Material: Plastic Tubing Size: Baker Lokat Type of Packer: 5750 Packer Setting Depth: Other Type of Tubing/Casing Seal (if applicable): Additional Data Yes 🗙 No 1. Is this a new well drilled for injection? 0.1 If no, for what purpose was the well originally drilled? \_ 5652-5895 (42) Blincbry 2. Name of the Injection Formation: and Drink 3. Name of Field or Pool (if applicable): 5844-5994 Has the well ever been perforated in any other zone(s)? List all such perforated 4 intervals and give plugging detail, i.e. sacks of cement or plug(s) used. Give the name and depths of any oil or gas zones underlying or overlying the proposed 5. D1.694 injection zone in this area: (4800' San Andres 7200' A60 TD=6735

**JTION WELL DATA SHEET** Side 1 APACHE CORPORATION OPERATOR: WELL NAME & NUMBER: HAKIK B-1#3 125:10 WELL LOCATION: 660 FML 1980 15 37E FWL FOOTAGE LOCATION TOWNSHIP RANGE UNIT LETTER SECTION WELLBORE SCHEMATIC WELL CONSTRUCTION DATA Surface Casing 151/2 Hole Size: Casing Size: Cemented with: 2.00 Surt Method Determined: Calc Top of Cement: Intermediate Casing 206 12 1/4 Hole Size: Casing Size: Cemented with: 500 Top of Cement: \_\_ 16.25 Method Determined: Production Casing T 2779 Hole Size: Casing Size 500 Cemented with:  $fr^1$ 3550 Top of Cement: Method Determined: 67.82 Total Depth: Injection Interval 6676 5776 feet to (Rerforated) or Open Hole; indicate which) INJECTION WELL DATA SHEET 2 3/8 Lining Material: Plastic Tubing Size: Baker Lokset Type of Packer: . Packer Setting Depth: 5700 Other Type of Tubing/Casing Seal (if applicable): =5776-6065 Additional Data 1. Is this a new well drilled for injection? Yes 6230'-6350 If no, for what purpose was the well originally drilled? <u>Oi (</u> Production 6395 6515 - 6595 Name of the Injection Formation: Blinebry and Drinkard 6666-6676 0? NA 72 Name of Field or Pool (if applicable): Blinebry and Drin Kard Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. 6781 Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:  $\underline{Above} - \underline{San} Andres$  ( 4800') (7200)Abo Below -

**UTION WELL DATA SHEET** Side 🌡 APACHE CORPORATION OPERATOR: HANK B-1 WELL NAME & NUMBER: 04 660 FULL 9 215 37E WELL LOCATION: 1980 FSL FOOTAGE LOCATION TOWNSHIP UNIT LETTER SECTION RANGE WELLBORE SCHEMATIC WELL CONSTRUCTION DATA Surface Casing 13 3/8 7 1/2 Hole Size: Casing Size: 200 Cemented with: Surt Top of Cement: Method Determined: CalC 13 Intermediate Casing 210 1214 Hole Size: Casing Size 500. Cemented with: Top of Cement: 1806 Method Determined: Production Casing 8 3/4 Hole Size: Casing Size: Cemented with: 750 - sx. ft Top of Cement: 2679 Method Determined: \_\_\_\_\_ Total Depth: <u>669</u>0 Injection Interval 5799 6577 feet to Perforated or Open Hole; indicate which) INJECTION WELL DATA SHEET Lining Material: PLastic. 8 Tubing Size: Lokset Baker Type of Packer: 5700 Packer Setting Depth: Other Type of Tubing/Casing Seal (if applicable) 5199-6001 Additional Data Yes 🗙 No Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? Oil Production 6507-77 Name of the Injection Formation: Blinebry and Drinkard £6601-6680 c Plug Name of Field or Pool (if applicable): Blinebry and Drinkard (sq = 8/65) 3. 590 Has the well ever been perforated in any other zone(s)? List all such perforated 4. intervals and give plugging detail, i.e. sacks of cement or plug(s) used. 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')Decpendin 8/65 to 6740 elow - Abo (7200' Tested i. sazid

CTION WELL DATA SHEET Side 1 APACHE CORPORATION OPERATOR: B-1 WELL NAME & NUMBER: HAKK 05 37E Ġ 215 WELL LOCATION: 1980 FSL 1980 FWL FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE WELL CONSTRUCTION DATA WELLBORE SCHEMATIC Surface Casing 13/8 17% Hole Size: Casing Size: 200 Cemented with: Syrf Method Determined: Calc. Top of Cement: 133/ Intermediate Casing 226 5/8 12 14 Hole Size: Casing Size: Cemented with: 500 sx. Top of Cement: 1650 Method Determined: Production Casing 95/8" 8 3/4 Hole Size: Casing Size: 2790' Cemented with: 940 sx. ff) Top of Cement: 2675 Method Determined: \_\_T\_S\_ Total Depth: \_\_\_\_6707 Injection Interval 5674 6706 feet to (Perforated or Open Hole; indicate which) INJECTION WELL DATA SHEET 2 3/8 Lining Material: PLastic Tubing Size: Lokset Baker Type of Packer: Packer Setting Depth: 5600 Other Type of Tubing/Casing Seal (if applicable): Additional Data 5674-5985 1. Is this a new well drilled for injection? Yes 🗙 No B Production If no, for what purpose was the well originally drilled?  $\_O_{\iota} l$ 6190-6258 T ±6586-67062. Name of the Injection Formation: Blinebry and Drinkard 3. Name of Field or Pool (if applicable): Blines. and Drinkard D  $11696-6706_4$  Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. 6706' 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)5. Below - Abo (7200'

**CTION WELL DATA SHEET** Side I OPERATOR: APACHE CORPORATION WELLNAME & NUMBER: HAKK B-1 #8 WELL LOCATION: 660 FSL 9 215 37F 1980 FEL FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE WELLBORE SCHEMATIC WELL CONSTRUCTION DATA Surface Casing 133/8 176 Hole Size: Casing Size: 220 Cemented with: Sura Method Determined: Calc Top of Cement: 13% Intermediate Casing 212' 1214 Hole Size: Casing Size Cemented with: 500 . Top of Cement: 1950 Method Determined: Calc Production Casing 9 5/8" 8 3/4 Hole Size: Casing Size: Cemented with: 900 sx. 2794 Method Determined: Calc Top of Cement: 2700 Total Depth: 6770 Injection Interval 5620-6736 feet to (Perforated or Open Hole; indicate which) INJECTION WELL DATA SHEET Tubing Size: 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 Yes X No 1. Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? Oil Production 丰5620-5806 Name of the Injection Formation: Blinebry and Drin Kard  $\pm 5806 - 6042^{2}$ 3. Name of Field or Pool (if applicable): Blinebry and Drinkard  $\pm 6523 - 6736_4$ . Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. 6767' Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:  $\underline{Above} - \underline{Sen} \quad \underline{Andres} \quad (4800')$ Below - Abo (7200'

CTION WELL DATA SHEET Side 1 CORPORATION APACHE OPERATOR: B-1 Ħ 9 HAKK WELL NAME & NUMBER: 9/25/01 660 FWL 9 215 37E FSL WELL LOCATION: 660 FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE WELL CONSTRUCTION DATA WELLBORE SCHEMATIC Surface Casing 15: 13 1/8 Hole Size: Casing Size: 250 Cemented with: Surf Method Determined: \_\_alc Top of Cement: Intermediate Casing 200 12 /4 Casing Size Hole Size: 500 Cemented with: 12:10 Top of Cement: Method Determined: Production Casing 95/8" 8 3/4 2824 Hole Size: Casing Size 750 Cemented with: Top of Cement: 3011  $\tau$ Method Determined: 6770 Total Depth: Injection Interval 5736 6756 feet to (Perforated of Open Hole; indicate which) INJECTION WELL DATA SHEET Lining Material: PLastic ... Tubing Size: Lokset Baker Type of Packer: 5600 Packer Setting Depth: Other Type of Tubing/Casing Seal (if applicable): Additional Data Yes X No Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? Oil Production 5636-605 Name of the Injection Formation: Blinebry and Drinkard 2. 156-6386<sup>2</sup>. Name of the Injection Formation: Duncbry and Drunnard 506-65833. Name of Field or Pool (if applicable): Blinebry and Drun Kard 6 A18 - 67564 Has the well ever been perforated in any other zone(s)? List all such perforated 5Z 150 intervals and give plugging detail, i.e. sacks of cement or plug(s) used. 6769 Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Above - San AndresS. 4800) injection zone in this area: Above elow -7200' A.60

CTION WELL DATA SHEET Side I OPERATOR: APACHE CORPORATION Well NAME & NUMBER: HAWKB-1 - I I Ś 215 37E WELL LOCATION: 1980 FSL LGO FEL TOWNSHIP FOOTAGE LOCATION UNIT LETTER SECTION RANGE WELLBORE SCHEMATIC WELL CONSTRUCTION DATA Surface Casing 13 3/8 171/2 Hole Size: Casing Size: Cemented with: 250 sx. Top of Cement: Surf Method Determined: Calc Intermediate Casing Hole Size: 1214 Casing Size: Cemented with: 1750 sx. Method Determined: Calc Top of Cement: 1,300 95/9 Production Casing 8 3/4 2684 Hole Size: Casing Size: Cemented with: 822 Top of Cement: \_\_\_\_2804 Method Determined: Calc Total Depth: 6775 Injection Interval feet to 6629 (Perforated or Open Hole; indicate which) INJECTION WELL DATA SHEET Tubing Size:  $2^{3/8}$ Lining Material: Plastic Lokset Type of Packer: Baker Packer Setting Depth: 5600 5667 - 5882 Other Type of Tubing/Casing Seal (if applicable): Additional Data 奏 6260 - 6390 (52=) Yes X\_No Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? \_\_\_\_\_Oil Production ± 6539-6629 2. Name of the Injection Formation: Blinebry and Drin Kard 3. Name of Field or Pool (if applicable): Blinebry and Drinkard # 6638-6736 7" (52≥) Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. 6774 5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: <u>Above</u> - San Andres (4800') Below - Abo (7200')

CTION WELL DATA SHEET Side 1 APACHE CORPORATION OPERATOR: B-1 HAWK 13 WELL NAME & NUMBER: 9 WELL LOCATION: 1980 FSL 215 3 660 F EL FOOTAGE LOCATION SECTION UNIT LETTER TOWNSHIP RANGE WELL CONSTRUCTION DATA WELLBORE SCHEMATIC Surface Casing Hole Size: Casing Size: \_\_\_\_\_ ft<sup>3</sup> \_\_\_\_\_ sx. Cemented with: øτ Method Determined Top of Cement: Intermediate Casing 1214 9 5/8 Casing Size: Hole Size: 400 Cemented with: Surf Method Determined: Cale . Top of Cement: Production Casing  $6^{3}/4$ Hole Size: Casing Size: Cemented with: 700 TS Top of Ciement: 2400 Method Determined: 6780 Total Depth: Injection Interval 6710 5781 feet to (Perforated or Open Hole; indicate which) INJECTION WELL DATA SHEET Tubing Size:  $2^{3/8}$ PLastic Lining Material: Baker Lokset Type of Packer; 5700 Packer Setting Depth: Other Type of Tubing/Casing Seal (if applicable): Additional Data Yes 🗙 1. Is this a new well drilled for injection? Production If no, for what purpose was the well originally drilled? Oil 5781-6043 B Name of the Injection Formation: Blinebry and Drinkard = 6582-6710. 3. Name of Field or Pool (if applicable): Blinebry and Drinkard 5 4. Has the well ever been perforated in any other zone(s)? List all such perforated 5% intervals and give plugging detail, i.e. sacks of cement or plug(s) used. \_\_\_\_\_ 6780 5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: <u>Above - San Andres</u> Andres (4800' (7200) Below - Abo 6

Side 1 **ECTION WELL DATA SHEET** Apache Corporation OPERATOR: tank 3 Km 3/12/08 WELL NAME & NUMBER: 1980 FE 215 B 1980 FS 37 E WELL LOCATION: FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE WELLBORE SCHEMATIC WELL CONSTRUCTION DATA Surface Casing 12 /4 858 Casing Size: Hole Size: 650 Cemented with: Method Determined: Circ Surf Top of Cement: Intermediate Casing 85/80 13221 Hole Size: Casing Size: Cemented with: ft3 SX. or Top of Cement: Method Determined: Production Casing 77/2 Casing Size: Hole Size: 625 sx. ft Cemented with: 2767 Calc. Top of Cement: Method Determined: 6836 Total Depth: Injection Interval 5666 6700 feet to (Perforated or Open Hole; indicate which) # 4151-96(592) n Andres INJECTION WELL DATA SHEET 23/4 Plastic Tubing Size: Lining Material: Baker Loca . Type of Packer: 5600 Packer Setting Depth: Other Type of Tubing/Casing Seal (if applicable): Additional Data 1. Is this a new well drilled for injection? Yes No Produ If no, for what purpose was the well originally drilled? \_ Oil Blinebry Name of the Injection Formation: E 2. Name of Field or Pool (if applicable): 3. 566-5876 Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. 5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: 4800' r16 10 10 68 7200 Below

TTION WELL DATA SHEET £ Side I, APACHE CORPORATION OPERATOR: WELL NAME & NUMBER: LOCKHART A-17#04 WELL LOCATION: 660 FNL FOOTAGE LOCATION 215 37E 660 FEL UNIT LETTER TOWNSHIP RANGE SECTION WELLBORE SCHEMATIC WELL CONSTRUCTION DATA Surface Casing 17% 133/8 Hole Size: Casing Size: Cemented with: 250Top of Cement: Surf Method Determined: Calc Intermediate Casing 21 1214 Hole Size: Casing Size 900 Cemented with: 675 Top of Cement: . Method Determined: Production Casing 8 3/4 Hole Size: Casing Size 2829 650 Cemented with: 3325 Top of Cement: Method Determined: 6770 Total Depth: Injection Interval 5700 669 (Perforated or Open Hole; indicate which) INJECTION WELL DATA SHEET 2.3/8 Lining Material: \_\_\_\_PLastic Tubing Size: = 3749-3793 Type of Packer: Baker Lokset 5600 Packer Setting Depth: :003 Other Type of Tubing/Casing Seal (if applicable): 6220 - 6225 Additional Data = 6266-6314 6611-6669 Yes X No 1. Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? Oil Production + 6677- 6683 り ±6691-6697 Name of the Injection Formation: Blinebry and Drinkard 6698 2. Name of Field or Pool (if applicable): Blinetry and Drinkare 3. ±6701-6748 Þ Has the well ever been perforated in any other zone(s)? List all such perforated 4 intervals and give plugging detail, i.e. sacks of cement or plug(s) used. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: <u>ASove - Sari Andres (4-800</u>) S. 17169 Below - Abo (7200') 18

CTION WELL DATA SHEET Side 1 OPERATOR APACHE CORPORATION WELL NAME & NUMBER: SOUTHLAND ROYALTY ·0 [ 37E 1980 FEL WELL LOCATION: 1980 FNL Ġ 215 FOOTAGE LOCATION UNIT LETTER RANGE SECTION TOWNSHIP WELLBORE SCHEMATIC WELL CONSTRUCTION DATA Surface Casing 133/2 17/2 Hole Size: Casing Size: 300 Cemented with: Surt Top of Cement: Method Determined: ( Intermediate Casing 121/4 Hole Size; Casing Size 1500 . Cemented with: Top of Cement: 2050 Method Determined Production Casing 9 5/8 Hole Size: Casing Size 3860 600 Cemented with: 5175 Top of Cement: Method Determined: 57-7565 Total Depth: Injection Interval 5664 6675 feet to (Perforated)or Open Hole; indicate which) INJECTION WELL DATA SHEET 5664-5694 5706-5758 3/8 Lining Material: Plastic -2 Tubing Size: LOKset Type of Packer: Baker. E 5814 - 5950 Packer Setting Depth: 5600 6150 - 6160 Other Type of Tubing/Casing Seal (if applicable). 6210 - 62986347 - 6395. Additional Data 1. Is this a new well drilled for injection? Yes No If no, for what purpose was the well originally drilled? Oil Production Name of the Injection Formation: Blinebry and Drinkard Name of Field or Pool (if applicable): Blinebry and Drin Kard -16675 Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. 6684 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 (7200' 45 Liner LSA 7000 TOL @ 6385 (144 SKS)

CTION WELL DATA SHEET Side 1. OPERATOR: APACHE CORPORATION WELL NAME & NUMBER: SOUTHLAND ROYALTY 02 A 9 WELL LOCATION: 660 FNL 1980 FEL 215 37E . FOOTAGE LOCATION TOWNSHIP UNIT LETTER SECTION RANGE IFELLBORE SCHEMATIC WELL CONSTRUCTION DATA Surface Casing Casing Size: 13 3/8 Hole Size: 17 2 Cemented with: 300 Surf Method Determined: Calc Top of Cement: Intermediate Casing 225 9 3/8 12 14 Hole Size: Casing Size: Cemented with: 700 sx. Call Top of Cement: Surf Method Determined: Production Casing 8 3/4 Casing Size: Hole Size: 1409 Cemented with: 3000 sx. Top of Cement: Surf Method Determined: Calc 6750 Total Depth: Injection Interval 5750 6685 feet to (Perforated or Open Hole; indicate which) INJECTION WELL DATA SHEET Tubing Size: 2 3/8 Lining Material: Plastic Type of Packer, Baker Lokset Packer Setting Depth: 5700 Other Type of Tubing/Casing Seal (if applicable): Additional Data Yes X No 1. Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? Oil Production В 6200 - 6300 6330-63402. Name of the Injection Formation: Blinebry and Drinkard. 3. Name of Field or Pool (if applicable): Blinebry and Drinkard 6488 - 6495 6515 - 6685 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. 6740 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) 5. Below - Abo (7200')

**JCTION WELL DATA SHEET** Side 1 Apache Corporation OPERATOR: # Southland Koyalty WELL NAME & NUMBER: 660 F3 660 FE FOOTAGE LOCATION 4 ZIS 37E WELL LOCATION: 3/12/08 UNIT LETTER SECTION TOWNSHIP RANGE WELLBORE SCHEMATIC WELL CONSTRUCTION DATA Surface Casing ロン 13 3/8 Hole Size: Casing Size 133/2 0 305 300 ft Cemented with: Surt Circ. Top of Cement. Method Determined: Intermediate Casing i 85/4 8 5/8 10 2905 11 Hole Size: Casing Size: 475 Cemented with: 1750 Top of Cement: Method Determined: 1 cmP Production Casing 77/8 53 Hole Size: Casing Size: 400 Cemented with: 4570 TEMP Top of Cement: Method Determined: 6750' Total Depth: Injection Interval 3891-4000 5777 6655 feet to (Perforated or Open Hole; indicate which) INJECTION WELL DATA SHEET 7 Plastic Lining Material: Tubing Size: Bak 100.50 Type of Packer. 5700 Packer Setting Depth: Other Type of Tubing/Casing Seal (if applicable): Additional Data Yes X Is this a new well drilled for injection? No 1. Productio If no, for what purpose was the well originally drilled? 0.1 Name of the Injection Formation: Blueby & Drinkard CIBP@ 5725 Name of Field or Pool (if applicable): 3. Has the well ever been perforated in any other zone(s)? List all such perforated 4. intervals and give plugging detail, i.e. sacks of cement or plug(s) used. Greyburg will be sged during recompto B&D. 2176-6392 Tubb Give the name and depths of any oil or gas zones underlying or overlying the proposed 5. injection zone in this area: 4800 San Andres my my / m rinkard Abo 7200' 5/20 6748 r

CTION WELL DATA SHEET Side I. APACHE CORPORATION OPERATOR: 05 WELL NAME & NUMBER: \_ SOUTHLAND ROYALT 660 FEL UNIT LETTER 215 37E WELL LOCATION: 1980 FSL SECTION FOOTAGE LOCATION TOWNSHIP RANGE IVELLBORE SCHEMATIC WELL CONSTRUCTION DATA Surface Casing 3/8 17: 13 Hole Size: Casing Size 300 Cemented with: Surf Top of Cement: Method Determined: Calc 13 Intermediate Casing 31 11 Hole Size: Casing Size: 300 Cemented with: 1365 Top of Cement: Method Determined: Production Casing 8 5/8 7 7/8 Casing Size: Hole Size: 2895' 180 Cemented with: Top of Cement: 54-25 Method Determined: 6756 Total Depth: Injection Interval 5702 6652 feet to (Perforated)or Open Hole; indicate which) INJECTION WELL DATA SHEET 23/8 PLastic Tubing Size: Lining Material: Lokset Type of Packer; Paker Packer Setting Depth: Other Type of Tubing/Casing Seal (if applicable): Additional Data Is this a new well drilled for injection? 5702 - 5970 Yes X No E. If no, for what purpose was the well originally drilled? Oil Production 2. Name of the Injection Formation: Blinebry and Drinkard Drinkard 6640-6652 3. Name of Field or Pool (if applicable): B Line bry and Has the well ever been perforated in any other zone(s)? List all such perforated 5% intervals and give plugging detail, i.e. sacks of cement or plug(s) used. 6755 5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: <u>Above - San Andres (4800</u>') Below - Abo (7200'

CTION WELL DATA SHEET Side 1 OPERATOR: APACHE CORPORATION WELL NAME & NUMBER: SOUTHLAND ROYALTY A 6. WELL LOCATION: 1980 FNL 9 215 660 FEL 37E FOOTAGE LOCATION UNIT LETTER TOWNSHIP RANGE SECTION WELLBORE SCHEMATIC WELL CONSTRUCTION DATA Surface Casing 17/2 13 3/8 Hole Size: Casing Size: Cemented with: 275 Surf Method Determined: Calc Top of Cement: 133 Intermediate Casing 1214 252 Casing Size: Hole Size: Cemented with: 1380 sx. ۲ Top of Cement: \_\_\_\_\_\_Su-f-Method Determined: Calc Production Casing 9 7 7/8 5 1/2 Hole Size: Casing Size: 2856 Cemented with: 280 TS 5325. Top of Cement: Method Determined: Total Depth: 7200 Injection Interval 5642 6635 feet to (Perforated or Open Hole; indicate which) INJECTION WELL DATA SHEET Tubing Size: 2 3/8 Lining Material: PLastic Type of Packer Baker Lokset Packer Setting Depth: 5600 Other Type of Tubing/Casing Seal (if applicable): = 5642-6108 B Additional Data 1. Is this a new well drilled for injection? Yes 🗙 No If no, for what purpose was the well originally drilled? Oil Production - 6595 - 6635 D Name of the Injection Formation: Blincbry and Drinkard Name of Field or Pool (if applicable): Blinebry and Drinkard CIBP 6847' 3. 4. Has the well ever been perforated in any other zone(s)? List all such perforated 51/2" intervals and give plugging detail, i.e. sacks of cement or plug(s) used. 6892' Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: <u>Above - San Andres (4800</u>) 5. Below - A50 (7200')

CTION WELL DATA SHEET Side 4 APACHE CORPORATION OPERATOR: WELL NAME & NUMBER: SOUTHLAND ROYALTY 07 A 9125/07 215 9 37E WELL LOCATION: 660 FNL 585 FEL FOOTAGE LOCATION SECTION RANGE UNIT LETTER TOWNSHIP WELLBORE SCHEMATIC WELL CONSTRUCTION DATA Surface Casing 12/4 5/8 Hole Size: Casing Size: 580 Cemented with: Surf Calc Top of Cement: Method Determined: Intermediate Casing 51<sub>8</sub> 83/4 1331 Casing Size: Hole Size: 1040 Cemented with: Surf Calc Method Determined: Top of Cement: Production Casing G 1/4 5%. Casing Size: Hole Size: Commented with: 730 sxTop of Cement: Surf Method Determined: Calc 3526 -3966 Total Depth: 8482 Injection Interval 6616 5660 feet to (Perforated or Open Hole; indicate which) INJECTION WELL DATA SHEET 2 3/8 Lining Material: Plastic 老 5660 5780-6038 Baker Lokset 5950 Type of Packer: - $\frac{1}{2} 6118 - 6300 \frac{1}{2} \frac{1}{6} \frac{1}{6}$ 1468-6726 (SQZ) Additional Data Yes X No 1. Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? Oil Production 7169' 7350 8094 - 50363 (SQ23) Name of the Injection Formation: Blinebry and 8400 - 84183. Name of Field or Pool (if applicable): Blinebry and Drinkard Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. 8482 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 (7200')

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.TION WELL DATA SHEET Side 1 APACHE CORPORATION OPERATOR: WELL NAME & NUMBER: SOUTHLAND ROYALTY 08 2 15 37E WELL LOCATION: 660 FSL 1980 FEL SECTION UNIT LETTER FOOTAGE LOCATION TOWNSHIP RANGE WELL CONSTRUCTION DATA WELLBORE SCHEMATIC Surface Casing N/A Casing Size: Hole Size: sx. Cemented with: ft Top of Cement: Method Determined: Intermediate Casing 1214 Hole Size: Casing Size: Cemented with: 580 Syrf Method Determined: Calc Top of Cement: Production Casing 9 = 8 3/4 Hole Size: Casing Size: 1347' Cemented with: \_ 500 sx. ft Top of Cement: 2450 Method Determined: Calc Total Depth: 6703 Injection Interval 6649 5686 feet to (Perforated) or Open Hole; indicate which) INJECTION WELL DATA SHEET Lining Material: PLastic -2 3/8 Tubing Size: Type of Packer \_\_ Baker Lokset Packer Setting Depth: 5600 Other Type of Tubing/Casing Seal (if applicable): F 5686 - 5783 Additional Data 5837-59841 × No Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? Oil Production 16229-6327 2. Name of the Injection Formation: \_ Blinebr. and DrinKard 6617 - 66493. Name of Field or Pool (if applicable): B Line 5-1 and Drinkard  $\mathcal{D}$ Has the well ever been perforated in any other zone(s)? List all such perforated 7 " intervals and give plugging detail, i.e. sacks of cement or plug(s) used. 6703 Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area:

CTION WELL DATA SHEET Side ! OPERATOR: APACHE CORPORATION 3 CTR 12 WELL NAME & NUMBER: STATE 215 37E 16 WELL LOCATION: 1980 FNL FWL 660 UNIT LETTER FOOTAGE LOCATION SECTION TOWNSHIP RANGE WELLBORE SCHEMATIC WELL CONSTRUCTION DATA Surface Casing 13 3/8 Hole Size: 17 1/2 Casing Size: Cemented with: \_ 300 Top of Cement: \_ Sur F. Method Determined: Cal C Intermediate Casing Hole Size: 12 14 Casing Size: 322 Cemented with: 1500 sx. Top of Cement: 1560' Method Determined: Production Casing 95/8" 8 3/4 Casing Size: Hole Size: Cemented with: 775 2900 Top of Cement: <u>1</u>900 Method Determined: Calc 6660 Total Depth: Injection Interval 5700 feet to 6658 (Perforated or Open Hole; indicate which) INJECTION WELL DATA SHEET Tubing Size: 2 3/8 Lining Material: Plastic Baker Lokset Type of Packer: 5600 Packer Setting Depth: Other Type of Tubing/Casing Seal (if applicable): A. CEBP 3500 Additional Data A. LIBP 3649 3721-37741. Is this a new well drilled for injection? X No If no, for what purpose was the well originally drilled? Oil Production 125835-5975 (Sqz w/ 150 sx) 2. Name of the Injection Formation: Blinebry and Drinkard =6615-66583. Name of Field or Pool (if applicable): Blinebry and Drin Kard 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. 6660 Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: <u>Above - San Andres</u> (4800) Below - Abo (7200')

**STION WELL DATA SHEET** Side I APACHE CORPORATION OPERATOR: WELL NAME & NUMBER: STATE Ċ 067 TR 12 215 WELL LOCATION: 720 FNL 16 3 7 E 1986 FWL FOOTAGE LOCATION UNIT LETTER SECTION TOWNSHIP RANGE WELL CONSTRUCTION DATA WELLBORE SCHEMATIC Surface Casing Hole Size: \_\_\_\_ / 7 1/2 13% Casing Size: Commented with: 300Calc Surf Top of Cement: \_\_\_\_ Method Determined: Intermediate Casing 3 29 12 Hole Size: Casing Size Cemented with: 1500 sx. Surf Method Determined: Cal C Top of Cement: Production Casing 8 3/4 Casing Size: 2853 Hole Size: Cemented with: 1000 sx. ft Top of Cement: Surf Method Determined: Calc Total Depth: 6699 Injection Interval 6670 5602 feet to (Perforated or Open Hole; indicate which) INJECTION WELL DATA SHEET Lining Material: PLastic Tubing Size: Lokset Praker Type of Packer: 5550 Packer Setting Depth: Other Type of Tubing/Casing Seal (if applicable): Additional Data Yes X No 1. Is this a new well drilled for injection? If no, for what purpose was the well originally drilled? \_\_Oi( Production . 5602 - 5862 G Name of the Injection Formation: Blinebry and Drinkard 6185-62852 Name of Field or Pool (if applicable): Blinebry and Drinkard 6578-66703  $\mathcal{D}$ 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. 6694' Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: ABove - San Andres (4.800)5. (7200' Below - Abo

TION WELL DATA SHEET Side I OPERATOR: APACHE CORPORATION STATE DA WELL NAME & NUMBER: 16 215 37E WELL LOCATION: 1980 FSL FOOTAGE LOCATION 1980 FWC SECTION TOWNSHIP RANGE UNIT LETTER IVELL CONSTRUCTION DATA Surface Casing WELLBORE SCHEMATIC Hole Size: 17 1/2 . Casing Size:  $13\frac{3}{8}$ Cemented with: 200 sx. Method Determined: Calc. Top of Cement: <u>Sur</u>f 133/8 Intermediate Casing 8 5/8 214 12/4 Casing Size: Hole Size: Cemented with: 1860 sx. Top of Cement: 1325 Method Determined: Calc Production Casing 8 5/8 6 3/4 Casing Size:  $5\frac{1}{2}$ Hole Size: 2815 Cemented with: 500 sx. Method Determined: Calc Top of Cement: 2850' Total Depth: 6654 Injection Interval 5617 4501 feet to (Perforated or Open Hole; indicate which) INJECTION WELL DATA SHEET Lining Material: Plastic 3/8 Tubing Size: 2. Baker Lokset Type of Packer: 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 5617-5997/ If no, for what purpose was the well originally drilled? Oil Production Ą 2. Name of the Injection Formation: Blinebry and Drinkard 6355 = 6419-6501 3. Name of Field or Pool (if applicable): Blinebry and Drinkard 6555-6648 Has the well ever been perforated in any other zone(s)? List all such perforated 550 intervals and give plugging detail, i.e. sacks of cement or plug(s) used. 5% 6654 Give the name and depths of any oil or gas zones underlying or overlying the proposed (4800') injection zone in this area: Above - San Andres (4800') (7200')Below - Abo

CTION WELL DATA SHEET Side 1 OPERATOR: APACHE CORPORATION DA Ø4 WELL NAME & NUMBER: STATE 1.6 215 37E WELL LOCATION: 1980 FSL 660 FEL FOOTAGE LOCATION UNIT LETTER TOWNSHIP SECTION RANGE WELL CONSTRUCTION DATA WELLBORE SCHEMATIC Surface Casing 133/8 17/2 Hole Size: Casing Size: 200 Cemented with: Surt Top of Cement: Method Determined: Ca 3 Intermediate Casing 213 8 5/8 11 Casing Size: Hole Size: 1550 Cemented with: sx. 1350 Top of Cement: Method Determined: Production Casing C 5 1/2 Casing Size: Hole Size: 2807 600 Cemented with: Top of Cement: \_1366 Method Determined: Calc 664.4 Total Depth: Injection Interval 6641 5648 feet to \* (Perforated or Open Hole; indicate which) INJECTION WELL DATA SHEET 2 3/8 Lining Material: Plastic Tubing Size: Baker Lokset Type of Packer: 5600 Packer Setting Depth: Other Type of Tubing/Casing Seal (if applicable): Additional Data 592 Is this a new well drilled for injection? Yes X No Z Production Oil If no, for what purpose was the well originally drilled? \_\_\_\_ 6096-6266. Name of the Injection Formation: Blinebry and Drinkard Name of Field or Pool (if applicable): Blinebry and Drinkard 1.406-6641 Has the well ever been perforated in any other zone(s)? List all such perforated D. intervals and give plugging detail, i.e. sacks of cement or plug(s) used. 6644 Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: Above - Sen Andres (4800) S. injection zone in this area: Above - San Below - Abo (7200')

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1 1 1000 -		E.G. Guinse to Internet		E Kinsey, Jr,	150 M	J.H. H. Gartin	S # Teylor IZra Ener	Apache	poche 2211	20¢ P72 200	Y.C. Howk <u>Sch 111 (S)</u>	125 WI 127, (100)WI Abache, etal			S3 - McElvain	"Di
	Ser Contraction	GTPEX EXP i (Mar OEG) 39 Saba Ener: Yares - S A GE On Fon	even Rivs.	De Currie	Apache USMI	Ninger lo	(junafioke)	0, 734 1241 703	Hawk - 8 - 3 - 44 - 60 	- fland 223 - Faylar - A	228 Wi G.enn ache /	NG) B 5745 M 30725 T 30725 T 30755 T 307555 T 307555 T 307555 T 307555 T 307555 T 307555 T 3	(Pro) 	A Carly	McElvain L gringen L	Sun Trac
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	c Dev.	A 1343 14CK 2CK D.McCon	kand (5) Hed Ich Over 412 FIB)		Apache Mine Mine Mine Mine Mine Mine Mine Min	C ALCONT	tanor Uning tangi Languya Gung Languya Gung Languya Gung Languya Gung Languya Gung Languya Lan	Anderson I	724 (rm 11 303	poche 500 urner (rib)Ap 105 TUT 17. Turne 1	ache mer 10 230 20 230 20	324 50 HZ Dug 1914 Dug 11 532	Kinney A" (a	933 933	z)  z wrix pet. z wrix[ Dud]) (mm)	U.S Del Re
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15 Current		5/R) 15 (P/B) JT 44 T H.T. Mattern 13 H 12 20	12 12 2 (17 2 (17 2 (17) 2 (17	PriscoEner His				c 10 n Styrhent L Solferson En Try (mail be	nillips (Sur His is is aiks	Clarrer clarrer	nall Tra nall Tra ttoici	- 11 *4. M. L Kend [K 1 - Ela] • 1	eckhart Iwol (80) Tra	5	۳/۸ و ۲/۸ د راهار سر م	(c)
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OPERATOR Apache Corporation	LEASE NAME Hery Leonerd NCT E	WELL # LOCATION 4 18 215 37E	FOOTAGE	TYPE API OL 30075066230	SPUL DATE	10	CONSTRUCTION	TOP OF CONNEL EXPONSE A CONTRACT CONNEL EMENT
						20	10 10 00 14 291 CMI WI 300 5X, 9 306 (0 2000 CMT WI 1300 5X, 7 (0 6645 CMT WI 700 5X	78 12/48 6645 - 6699 (Openhole)
	(crig A-8 #1)	2 8 21S 37E	1980 FNL, 660 FEL	01. 30025084320	001 03/	8/50 67	00 13 346 @ 220' CMT WI Z20 SX, 9 548 @ 2659' CMT WI 1000 SX, 7 @ 8730' CMT WI 800 SX	2950[05/50 6684 - 6720
Apache Corporation	Hank A	3 0 715 375	4000 Ekil BOO Flan	-				01/62 3507 - 3685 10/65 sat 3507-3685 W/ 300 sx, add 5785 - 6050 & 6553-6643
Apeche Corporation	(crig A-8 #1) Hewk A			20025064400	001 02/	1/48 87	0 13 3/8 @ 280' CMT W/ 200 SX, 9 5/8 @ 2826' CMT W/ 550 SX, 7 @ 5684' CMT W/ 500 SX	04/98 clbp @ 6521 3800/03/48 6684 - 6710 (Openhole)
		3/2 017 8/0	DOD FML, BBU FWL	OIL 30025212250	001 04/	2/65 68	0 6 5/8 @ 1325 CMT W/ 500 SX, 5 1/2 @ 8600' CMT W/ 500 SX	10/64 5787 - 6001 & frac 130002/65 5760 - 6019 & 6586-6781
Apeche Corporation	Hawk A	B B 21S 37E	890 FNL, 660 FEL	OIL 30025269670t	000 10/0	2/80 695	0 6 50 @ 1204' CMT VVI 475 SX, 5 172 @ 6800' CMT VVI 7/6 SV	08/93 cibe @ 5692 & 5506, 3000 - 3333, 3384 - 3770 10/07 sq2 3000-3770, cio to 5501, 5760-5400
Apache Corporation	Hawk B 1	2 9 215 37E	1980 FSL, 1980 FEL (	OIL 30025064380	000 12/2/	947 67:	513 38 @ 200 CMT W/ 200 SX, 9 588 @ 27892 CMT W/ 550 EX 7 @ 6664/ CMT W/ 560 EX	Surface 0118 1 Tst & sqz 6797-6860, perf 8573 - 8775 04/81 cibp @ 6005, 5673 - 5813 & frac
								2942/01/48 6681 • 6693 0555 5552 - 5693 6564 - 6670
Apache Corporation	Hawk B-1	3821537F	RED ENI 1980 ENI					112/33 2644 - 5584 5652 - 5563 SOZ 01/64 5551 - 5755 & frac
				ORDAROSTOC	100	6/48 671	2113 318 @ 206' CMT W/ 200 SX, 9 5/5 @ 2779' CMT W/ 500 SX, 7 @ 6781' CMT W/ 500 SX	05/61 BF @ 67/02, 5944 - 87/02 3550005/48 clbp @ 67/24, 6656 - 6678 & 6230-6350
Apacha Corporation	Hawk B-1	4 9 21S 37E	1980 FSL, 860 FWL	OIL 30025089100	. 000	3/48 685	2113.318 @ 210' CMT W/ 200 SX, 9 518 @ 2794' CMT W/ 500 SX 7 @ 6669' CMT W/ 750 SY	5-84 add 8515-8595 07/84 57/10 - 8085
Apache Corporation	Hawk B-1	5 8 21S 37E	1980 FSL, 1980 FWL C	OIL 30025088080	003 02/1	4/48 670	113 38 @ 226' CMT W/ 200 SX, 9 5/8 @2780' CMT W/ 500 SX, 7 @ 6706' CMT W/ 940 SX	26/4/02/44 6601 - 6690 8/62 depen. 242, add 6507-77 & 5790-6001
Apeche Corporation	Hawk B-1	8 9 21S 37E	660 FS1 1980 FF1					80/19 - 9609 - 91/09 101/19 - 9186 92/10
				00068007000	M21	4/48 67	013 38 @ 212' CMT W/ 220 SX, 9 5/8 @ 2784' CMT W/ 500 SX, 7 @ 6767' CMT W/ 900 SX	2700 01/48 5588 - 6738
Apachs Corporation	Hawk B-1	9 9 21S 37E	860 FSL, 680 FWL C	OIL 300250544100	002 02/1	1/49 677	113 318 @ 200' CMT W/ 250 SX, 9 518 @ 2624' CMT W/ 500 SX, 7 @ 6769' CMT W/ 750 SX	104/04 2608 - 6042 & 4523-6552 0111099 add 5520-5800 0111041099 add 5520-5800
								2011 04/14 00 18 - 2026 (SQ2 With 150 SX) 12/65 5800 - 6058 & free
Apache Corporation	Hawk B-1 (orig B-8 #2)	11 8 21S 37E	1980 FSL, 660 FEL C	OIL 300250843400	02/0	150 677	113 318 @ 213' CMT W/ 250 SX, 9 518 @ 2584' CMT V/ 1750 SX, 7 @ 6774' CMT W/ 822 SX	05/01 5639 - 6583 05/01 5639 - 9583 & frac 1844 Jointestream - 2530
								2804 U4/20 0638 - 8/39 1/58 6260-6390
Anerha Concention								03/65 agz alf berts, comp 9539 - 6828 1/80 add 5667-5882
	LIGWA D*1	13 9 215 375	1980 FSL, 660 FEL, C	OIL 300252017800	002 04/1	1/63 678	19 5/8 @ 1294' CMT W/ 400 SX, 5 1/2 @ 6780' CMT W/ 700 SX	8/97 add 6539-6629 2400 05/63 5781 - 6/043 £ 6-0-
Apache Corporation	HAWK 'B-1'	14 8 21S 37E	1980 FSL 1980 FEL COC	OIL-W6 300252285900	001 11/25/1	968 683	18 5/8 @ 1322 cmt w 650 sx, 5 1/2 @ 6836 cmt w 625 sx	6562 - 8710 & frac
Apache Corporation	Hemk B-1 A/C 1	1 9 21S 37E	1080FNL, 1980 FWL C	DIL 300250843700	201 - 10/0	141 667	113 348 @ 225' CMT W/ 200 SX, 8 545 @ 2790' CMT W/ 500 SX, 7 @ 6674' CMT W/ 500 SX	
Apache Corporation	Lockhart A-17	4 17 21S 37E	660 FNL, 660 FEL O	01L 300750683000	00	100		09/55 6445 - 5827 66/65 66450
				080000011000	700	10: 70/0	113 308 (9/219° CMI W/ 250 SX, 9 5/8 (9/2829° CMT /// 900 SX, 7 (9/6469° CMT W/ 650 SX	332511249 clbc 6688, 6611 - 6697
Apacha Corporation	Southland Royalty A	1 9 21S 37E	1980 FNL, 1980 FEL C	300250644200	000 02/0	147 758	13 38 @ 248 CMT W/ 300 SX, 9 58 @ 3860' CMT W/ 1500 SX, 7 @ 6684' CMT W/ 600 SX, 4 112 @ 6385 - 7000' W/ 14	0.0329 b 22/0 - 63/14 & frac 0.08/82 cib/ @ 4003, 3749 - 3793 51/509/47 f655 - 6n76
								04/02 5814 5850 & frac
Absche Corboration	Southand Receive A	9/0 746 975						14/12 Jun liner & 6822 - 6843
		28 213 3/2	860 FNL, 1980 FEL	OIL 30025084430(	000 01/0	1/54 675	113 3/6 @ 225 CMT W/ 300 SX, 9 5/6 @ 1409 CMT W/ 700 SX, 7 @ 6740 CMT W/ 3000 SX	11/84 5840 - 6860 & frac ` Surface 11/47 6595 - 6885
peche Corp.	Southland Royalty	4 21S 37E	660 FSL 660 FEL	30025083	396 10/12/1	351 675	113 208 @ 305' CMT w/ 300 ax, B 508 @ 2805 cml w/ 375 ax 5 1/2 @ 6748 cml w/ 400 xv.	03/54 6200 - 6465 10/84 5750-5530
								2/36  1151   5385-6655 4/54 6176-6392
Apeche Corporation	Southland Royalty A	5 4 21S 37E	1980 FSL, 660 FEL 0	<u>31L 300250639700</u>	100 04/0	/54 675	13 38 @ 312 CMT WI 300 SY A 546 @ 3666 FMT WI 200 SY E JA G FEEL AND THE STATE	8/63 6519-6570 12/00 3881-4000
Apacha Corporation	Southland Royalty A	6 9 21S 37E	1980 FNL, 660 FEL 0	<u>300250844400</u>	100 05/2	153 7201		5425 11152 6640 - 6852 04154 5702 - 5670
Apache Corporation	Southland Royalty A	7 9 21S 37E	660 FNL, 585 FEL	311 300250844500	DD DEING		A FIL S 4001 MILL MILL FIL FLAND & RE 2000 CMILL WI 1,000 SA, 3 1/2 (0.0002 CMIL WI 280 SX	5325 08/53 5642 - 6108 ctbo @ 6847 - 6595 - 8435
				1000LE000074000	0/60	104 040	18 306 (20 1531 CM) W/ 380 SK, / (20 /166 CM LW/ 1040 SK, 5 1/2 (20 8432' CM LW/ 730 SK	Surface 00602 5918 - 5950 & 6586-6616 3772 5660-5760
								03/85_61(18-8300
Apacha Constrailteo	Scetthrand Develop &	0 4 246 275						U44205 592, all perits, run 5-172, 1st 8400-18, & 8094-8363 1294 PAA, cibp @ 7350, etc
		04210315	660 FSL, 1980 FEL C	300252006900	000 12/0	/62 670	19 5/8 @ 1347 CMT W/ 590 SX 7 @ 6703 CMT W/ 500 SX	2450105/63 5837-5984, 6229-6327, 6617-6649 & frac
pache Corporation	State C TR 12 [ortg St C Tr 12 #1]	3 18 21S 37E	1980 FNL, 660 FWL C	300250882500	003 07/1	/47 666	13 38 @ 322' CMT W/ 300 SX, 9 5/8 @ 2800' CMT W/ 1500 SX, 7 @ 6660' CMT W/ 775 SX	2/13 add 5686-5783 1800/09/47 6615 - 6658
								07/67, 5835 - 5975, & frac 07/72, 3721 - 3774, & frac
pache Corporation	State C IR 12	08Y 18 21S 37E	720 FNL, 1980 FWL 0	<u>%L 300250662800</u>	02 05/06	148 6696	13 38 @ 297' CMT WI 300 SX 3 58 @ 2857 CMT WI 1500 SX 7 @ 8604' CMT WI 1000 SX	6/75 soz 5835-5875 w/ 150 sx, add, 8476-8588 2177 CIBP 6425
						, , ,,		Surace(0/148 55/8 - 8670 03/54 6185 - 6285
		2 16 215 37E	1980 FSL, 1980 FWL 0	300250661600	01/0	/62 685	13 38 @ 214 CMT W/ 200 SX, 8 5/8 @ 2815 CMT W/ 1660 SX, 5 1/2 @ 6654 CMT W/ 500 SX	03/09 5602 - 6970 Å free, 6185 - 6285 & 6578 - 6870 (free) 2850(9647 6600 - 6623 00485 - 5784 - 6650 - 4
pacha Corporation	State DA	4 16 21S 37E	1980 FSL, 660 FEL O	NL 300250681900	03 10/15	/06 684	13 38 @ 213' CMT W/ 200 SX_8 5/8 @2807 CMT W/ 1550 SX, 5 //2 @ 6644' CMT W/ 600 SX	0002 019 - 024 - 0
								10/53 5648 - 5718 10/500 5548 - 5718
ŀ						  .		00106 6008 - 6296

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Apache Corporation	State DA	22 18 21S 3/E	2630 FSL, 2610 FWL	5	3002335230000	1002/02/2	0/93/8 3/6 @ 1235 CMI W / 600 SX, 5 1/2 @ 5/83 CMI W / 12/0 SX	Surface U2/07 5597 - 5648 & frac
Apache Corporation	State DA	23 16 21S 37E	2030 FSL, 1360 FEL	oir	30025382310000	4/7/2007	6875 8 5/8 @ 1285' CMT W / 650 SX, 5 1/2 @ 6875' CMT W / 1250 SX	220(04/07 5621 - 6684 & frac
Apache Corporation	State DA	2516 21S 37E	1510 FSL, 1280 FWL	OR	30025384140000	6/23/2007	8850ja 5/a @ 1273' CMT W / 575 SX, 5 1/2 @ 6850' CMT W / 1300 SX	Surface 07/07 5910 - 6676 & frac
Apeche Corporation	State DA	2618 21S 37E	1330 FSL, 2630 FWL	ซ	30025384150000	7/3/2007	883518 5/8 @ 1265' CMT W / 650 SX, 5 1/2 @ 6835' CMT W / 1400 SX	Surface 07/07 5715 - 6612 & frac
Apacha Corporation	State Land 15	4 16 21S 37E	660 FSL, 660 FEL	Off	30025056330001	6/22/1947	6665113 3/8 @ 219' CMT W/ 250 SX, 8 5/8 @ 2864' CMT W / 1700 SX, 5 1/2 @ 6664' CMT W/ 400 SX	1282 07/47 8555 - 8840
								06/54 6155 - 6300
								05/05 5563 - 5789 & frac
Apache Corporation	State Land 15	5 16 21S 37E	330 FSL, 330 FEL	oil	30025066340002	4/13/1952	8261 13 348 @ 293' CMT W/ 250 SX, 8 5/8 @ 2861' CMT W / 1500 SX, 5 1/2 @ 8259' CMT W/ 400 SX	3375[06/52 BP @ 8155, 7796 - 7838
			]·					112/62 Sqz&PB to 7183, 5768 - 5891& 6878 - 7177
						-		111/05 5600 - 6297
Apache Corporation	State Land 15	6 16 21S 37E	330 FSL, 1650 FEL	OIL	30025203110000	8/19/1963	7306 13 3/8 @ 252' CMT W/ 300 SX, 8 5/8 @ 2990' CMT W / 665 SX, 5 1/2 @ 7298' CMT W/ 1005 SX	1986 10/63 6808 - 7052
								04/72 6490 - 6622 & frac
				-		-		03/06 6038 - 6275 & frac
								04/06 5571 - 5795 & frac
Apeche Corporation	State Land 15	9 16 21S 37E	910 FSL, 1330 FEL	OIL	30025375350000	12/1/2005	728418 518 @ 1197' CMT W / 575 SX, 5 1/2 @ 7284' CMT W / 1150 SX	Surface 04/08 5596 - 6611 & frac
Apacha Corporation	State Land 15	10 18 21S 37E	330 FSL, 2810 FEL	off	30025375380000	12/14/2005	7102 8 5/8 @ 1225' CMT W / 550 5X, 5 1/2 @ 7102' CMT W / 1250 SX	Surface 04/06 5608 - 6240 & frac
Apache Corporation	State Land 15	11118 215 37E	330 FSL. 1330 FWL	lio.	30025375370000	5/25/2006	7290 8 5/8 @ 1207' CMT W / 500 5X, 5 1/2 @ 7280' CMT W/ / 1050 SX	Surface/08/08 5832 - 6652 & frac
				-				7/04 5842-5880
Apeche Corporation	WW Weatherty	3 17 21S 37E	1980 FNL, 1880 FEL	or	:30025068450003	10/14/1947	6655110 34 @ 363' CMT V/I 300 SX, 7 5/8 @ 2873' CMT V/ / 2000 SX, 5 1/2 @ 6655' CMT V/I 1100 SX	2500 11/47 6635 - 6650
								04/50 Deepen 22', 6635 - 6677
-	· · · ·							01/71 3725 - 3787
		   						08/87 BP @ 8460, 6266 - 8438
								3725 - 3787 SQZ
				- - -				03/04 5655 - 5904 & frac , 8268 - 8600 SQ2
CAMPBELL & HEDRICK	WEATHERLY	1 17 215 37E NE	N330 FNL 1650 FEL CON	GR OIL-WO	30025068420001	11/16/1951	8684 13 3/3 @ 232 cmt w/ 250 sx, 8 5/8 @ 2765 cmt w/ 1100 sx, 5 1/2 @ 6513 cmt w/ 200 sx	3812(12/51 6513-8682
						-		6/01 5575-6682
APACHE CORP	SOUTHLAND ROYALTY A	22 9 21S 37E SE S	362310 FNL 430 FEL CON	GRIOIL .	30025372000000	6/7/2005	7298/8 5/8 @ 1282 cmt w/ 625, 5 1/2 @ 7298 cmt w/ 1450	Surface 10/05 5824-6881
APACHE CORP	GULF HILL	8 4 2 1S 37E NW 1	N 2830 FSL 2310 FEL CON	VGROIL .	30025379830000	7/12/2006	705518 5/8 @ 1305 cmt w/ 550 gx, 5 1/2 @ 7355 cmt w/ 1250 gx	Surface 9/06 5714-6796

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OPERATOR NAME LEA NAME	MERC 100	, notes	Footion -		2PUD				
Assetta Concention (Westherh	3 21 215 3	11E 000.	FM 1000 FM 0	1 3025061	210000 0	103/47 0024	12 24 @ 155 CMT WI 175 SX & 52 @ 2807 CMT WI 1200 SX 5 JI2 @ 0524 CMT WI 500 SX	CEMENT COMPLETIONS & COMMENTS	
APACHE CORP. NORTHEAST DRIVKARD UNIT	507 10 215 47	75						12/51 5580-6632 10/02 5834-6020	
EXXONMOBIL	2012 02 02			30025004	20000	41949 0000	10 34 B 316 CMT WI 220 5X 7 P 280% CMT W / 1050 5X 5 1/2 @ M59 CMT W / 450 5X	882 5700-5194 Surfice 11/48 0225 - 0558	
	10110215.3	300	SLOOPM 0	R-WO 30025084	2002	111952 7939	10 34 @ 347 CMT WI 376 SX 7 60 @ 3104 CMT W 1900 SX 5 1/2 @ 7037 CMT W 1 450 SX	02/67 6710 - 5850 8 http: 183 05/52 7610 - 7038	
APACHE (2018)								100/56 0990 - 7132 07/03. 9472 - 9513	
APACHE CORP NORTH APACHE CORP NORTHEAST DRINKARD UNIT APACHE CORP NORTHEAST DRINKARD UNIT	415 10 215 37	1204	EN. 1745 EM. 01	1. 30026346	510000 BU	2/1092 0870	18 549 61 1545 OHT W1 449 5X 5 112 60 8070 CMT W1 1500 5X 18 58 64 1227 OHT W1 440 5X 5 112 60 8500 CMT W1 1425 5X	Surface 1000 6013 - 0710 & 0400 - 4000 - 4353	
APACHE CORP NORTHEAST DRINKARD UNIT	523 10 215 37 573 10 215 37	7E 2500	FNL 300 FWL 01	1 30025374	90000 310	12005 5860	19 459 00 1201 CMT W 1215 5X 5 1/2 00 9000 CMT W 1 400 5X 18 50 00 1201 CMT W 1406 5X 5 4/3 50 5000 CMT W 1 472 5X	Surfice 04:00 5510 - 0703 & Inc. Surfice 11(05 5022 - 0702 & Inc.	
A DATHE CORP NORTHEAST DRIVEARD UNIT APACHE CORP NORTHEAST DRIVEARD UNIT	627 110 215 37 418 10 215 37	7E 1310 7E 1250	ENL 100 FWL 0	1 300253636	20000 8/20	V/2005 0602	18 50 50 1255 CMT W1 615 5X 5 312 50 0000 CMT W1 150 5X 18 60 50 1255 CMT W1 615 5X 5 312 50 0000 CMT W1 150 5X	Surface (2400, 5589 - 5038 & frac Surface (10/05, 5029 - 5087 & frac	
APACHE CORP ROBINITIE AND UNIT APACHE CORP.	614 10 215 37 514 10 215 37	7E 1501 7E 2010	FSL 600 FWL 101	1 300253634	10000	0000 0002/	15 56 (2) 1377 CMT W / 600 3X, 5-112 (2) 0500 CMT W / 1250 5X 15 156 (2) 1327 CMT W / 600 3X, 5-112 (2) 0500 CMT W / 1250 5X	Surface 01/04 6008 - 6549 & trac Surface 112/03 6132 - 0080 & trac	
APACHE CORP	7 15 215 37	7E 2310	FSL 900 FWL	L-WO 30025099	10003	V1067 0193	13 242 25 247 CMLIYI 420 SX 8 5 26 20 2014 CMT W / 1920 SX 5 1/2 20 6027 CMT W / 1055 SX 13 243 25 7 CMLIYI 250 SX 8 5 26 25 27 CMT W / 2000 SX 5 1/2 25 26 26 15 CMT W / 719 SX	Surface 0601 0407 - 0726 2015 Intics1 80140 - 0726	
								04/13 clbs @ 2005.0021.7109. 10081 BD @ Avec. 6421.7109.	
APACHE CORP					-			07/01. BP @ 0350. 3709 - 3074 & fmc	-
141445 COOR	9 15 215 31	7E 330 I	SL 000 FM	30025006	50000 5/2	11851 8189	13 28 @ 225. CMT WI 260 SX & 28 @ 2817 CMT W / 1220 SX 5 1/2 @ 2101' - 8000 CMT W / 925 SX	45/2010/151 2000 4 1350 - 4900 & Hap. 3760 - 3974 5.02	
ARGO	11 15 215 32	7E 2080	ESI, 1050 FWL DI	L-WO 30025000	10002	1021 1201	13 34 40 228, CMT WI 280 5X, 6 5% 60 2803 CMT W/ 1950 5X, 5 112 40 7016 - 7660 CMT W / 600 5X	0462 BP @ 7955 7559 - 7925 & frac 5209 f09/51 7519 - 7920	-
APACHE CORP	1 22 22							04/13 ctbp @ 1445 5554 - 1200	_
				30025000	60000 12/1	21951 8033	13.24.00.227 CMT WI 264 5X 8 46 00 2592 CMT W / 1600 5X 6 1/2 00 6000 CMT W / 683 5X	2001 02/52 7001 - 7973 - 4004 - 5440	_
						-		19/12/2 31/20-32/90, 2001 - 79/23 Shirtoff. 99/195: 09900 - 71/76: 31/20 - 79/23 SOZ	
APACHE CORP NORTHERAST DRINKARD UNIT	626 16 215 37	7E 100 F 7E 130 F	NL 330 FWL 01	1 300253484	60000 4/ 60000 11/2	12000 0800	8.68.09.1001 CMT W (460 SX 6.17.00 6000 CMT W (1500 SX 8.18.09.1017 W (556 62 6.19.0 5000 CMT W (1500 SX	25 Surface 05700 6576 - 6080 & Arac	
AFACHE CORP	004 15 215 37	7E 2310	ENL 000 FWL 01	1-WO 30025055	10002 6/2	11051 8193	2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.2.	Surface   01/05_6022 - 0908 & fac 5428   10/51_6045 - 81601 (On-anti-un)	
APACHE CODE					+-	-		10/03 5703 5508 6 ftpc	
APACHE CORP INORTHEAST DRINKARD UNIT	024 15 213 31	75 1250	FNL 1309 FWL 01 FSL 330 FWL 01	30025348	70000 4/1	0000 0002/	9.56 69.1215 CMT W/ 440 SX 5.12 (9.6660' CMT W/ 14.00' SX 9.56 69.1200 CMT W/ 615 SX 5.12 (9.6600' CMT W/ 1400 SX	Surface 05500 5551 - 0052 & frac	
	701 15 215 37	7E 1960	FSL 000 FML 01	1-4/0 300250991	50002 10/1	1947 0054	12 24 42 21 C CMT W/ 210 SX 6 58 42 2075 CMT W / 800 SX 5 1/2 29 6052 CMT W / 600 SX	2840 12/47 0010 - 0032 6 meo	
APACHE CORP	111 12 245 37		2110 110					10703 6150 - 5917 6 free 10009 6686 - 4000 - 5549 - 5470 SO7	
APACHE CORP CHEVRON URA INC	721 15215 31	1310	FSL 330 FWL 01	30025348	80000 9/2 30000 9/1	72000 6790	8 28 @ 1245 CMT W 1400 SX 5 12 @ 9780' CMT W 11525 SX 3 64 @ 1215 CMT W 1515 SX 5 12 @ 0950' CMT W 1 1300 SX	Surface 11/00 6639. 0009 & frac	
	15212.31	1000	NL 600 FWL	300250654	60000	1945 0000	13 3/8 (2) 203 CMT WU 300 5/X 8 5/8 (9) 2197 CMT W 1 1200 5/X 5.1/2 (2) 002/5 CMT W 1 400 5/X	200/46 2660 - 0202 8 Hat	_
STATES	6 15 215 32	7E 600 F	NL 800 FWL 01	L-WQ 2002E0691	20001 2/1	/1051 0148	13 396 @ 284, CMT W/ 200 SX & 586 @ 2874 CMT W / 2000 SX 5 1/2 @ 6147 CMT W / 500 SX	01/94 3009 - 3959. 5800 - 6600, 502 4862 04/61 7610 - 7710	
								05/70 0702 - 7343 & the 05/76 ethe @ 0605 0404 - 6040 & tmc	_
CHEVRON USA INC	3 17 215 31	7E 000 F	NL 1960 FWL OF	300250064	26 0000	1962 8050	13 28 @ 214" CMT W/ 326 5X 6 68 @ 2812 CMT W / 1500 5X 6 1/2 @ 8850" CMT W / 356 5X	04/04 BP 45 5395, 3041 - 3651	
				.   				09(1) 3703 - 3708 & frac	_
APACHE CORP LININGSTON	14 3 2 15 37E	3600	ESL 307 EWL OI	1-WO 300252661	10001 4/1	11984 7745	13 306 @ 461 CMT W/ 475 SX 8 508 @ 2410 CMT W/ 1425 SX 6 112 @ 7745 CMT W/ 1206 SX	02/00 3811 - 3974 5 kmc. 2704 - 3935 SOZ Surface 100/64 - 7060 - 7206	
APACHE CORP NORTHEAST DRINKARD UNIT APACHE CORP	331 3 215 375	1400	EST. 1350 FWL 01	300263443	1/6 00000	1995 0605	8 59 & 1326 CMT W / 4 10 SX, 6 112 @ 0055 CMT W / 1450 SX	204face 12095 6024 - 9730 5 frac Surface 12095 6024 - 9730 5 frac	
APACHE CORP NORTHEAST DRINKARD UNIT	240 3 215 37E	3480	ESL 000 FWL	NJ 300253590	212 00000	2002 0650	8 56 06 1202 CMT W / 420 3X 5 1/2 06 0507 CMT W / 1425 SX 8 56 02 1266 CMT W / 550 3X 5 1/2 02 0557 CMT W / 1500 5X	Surface 04/00 6947 - 0005 8 trac	_
Meeter Of Fields (944)	243 3 215 371 4 14 215 37E	E 2780	FSL 1080 FML 20	NL 30025381: 300251275	20000 - 5/2	/1903 7450	2 5/8 @ 1200 CMT W 1675 5X 5 1/2 @ 0855 CMT W 1 1250 5X 16 @ 229 CMT W 1300 5X 10 34 @ 2540 CMT W 1 1344 5X (1) 7 1/8 @ 7215 CMT W 1 0M 6Y	Surface 10001 6002 - 9714 3240 Innia 4 243 - 9700 4	
		.		:				04/07 7020 - 7090	
MILAGE ENERGY INC	5 4 213 376	E 1050	FSL 2310 FWL OI	1-WO 30252943	20001 11/1	/1965 7250	8 56 @ 126T CMT W / 700 SX 5 J/2 @ 7246 CMT W / 1920 SX	9///1 P.EA.13/mmm.Erra/20/1 Surface 02/80 0559 - 07/14	
APACHE CORP HAWK A 4 NOBTHE ST DRIVER DO INT	4 4 215 375	1050	ESL POO FWL	1-WO 300253812	70000	12005 7050	8 648 @ 1288 CMT W/ 500 SX, 5 112 @ 7050 CMT W/ 1350 SX	00/00_0041 - 0913 Surfice 02/07_5734 - 0946.8 frac	
	10.012 6 120		FRE 407 FEE	Mazezene 0.4-1	10	1980 6156	12.28 00 1100, CML W 025 5X 0 08 00 3500 CML W LJ 200 5X, 7 00 0167 CMT W / 1720 5X	Surface 11/181 5037-5993 & frac.  08482 6037-6808	
		ŀ		•				08/85 8P @ 7230. 7002 - 7195 & frae. 6037 - 0809 SQZ	
APACHE CORP NORTHEAST DRINKARD UNIT	Z24 4 215 37E	E 3810	FSL 200 FEL	300263473	90000	12000 6600	8 518 @ 1275 CMT W / 400 SX, 5 112 @ 0000 CMT W / 1740 SX	Surface 02/00 5623 - 02020	-
APACHE CORP AND	241 4 215 3/F E 15 215 3/F	E 3700	FSL 330 FEL	300253612	1/2 00000	12007 7032	8 518 20 1200 CMT W / 645 5X 5 1/2 20 7000 CMT W / 1150 5X 18 518 20 1307 CMT W / 650 5X 5 1/2 20 7025 CMT W / 1250 5X	Surface 00/07 5040 - 0760 & trac Surface 00/07 5640 - 0563 & frac	
APACHE CORP HAWKA-6	3 6 21S 37E	E 330.F	SL 1050 FEL 01	30025373	00000	12005 7500	9 589 @ 1230' CMT W I 5/5 5X 6 1/2 @ 75/0' CMT W I 2200 5X	Surface 10006 BP @ 2978 R0P @ 2012 & 0200. 6737 - 2026 & fma.	_
CHEVRON USA INC	10 6 21S 37E	E 2130	ENL 1730 FWL 01	300252541	10000 3/	V1977 6800	8 548 @ 1355 CMT W ( 200 5X, 5 1/2 @ 0000 CMT W / 750 5X	10173 03777 0545 - 0750 & 1785	· · ·
CHEVRON USA INC. MATTERN H I NCT-C.	12 8 215 37E	5 2310	FNL 050 EWL	300262554	/9 00002	1977 6900	8 519 @ 354 CMT W 1 550 SX 6 1/2 @ 8500 CMT W 1 1000 SX	09/00 Sar 0545-07408despen to 7201.0800 - 7201.0 Penkole) Surface 08/77 0507 - 0740 & frac	
APACHE CORP	12 215 01 104	34	NI ALO EWI	2 Photo Phot	23	11053 7500	11 1 the A surf Cutit with so sur a static ruit with an surf cutit with as sur	12/02 P3A	
						-+-		02/55 PB 09/43, 01/01 - 07/18, 01/81 - 63/00 ((rec)	
								000Y 01M1: 0300.0584389	<del>.</del>
APACHE CORP	402 10 215 31	7E 1990	ENL PRO FWL 0	30025004	10000	1953 8161	10 34 6 246° CMI WI 250 55. J 56 8 3) 26 CMI WI 1275 55. 5 1/2 @ 7609 CMI WI 275 55	2100.00/64.7000-7050.6.TA 00/65.5590-0704	
ILEWIS B BUTTLESON INC	1 10 215 37	7E 900 F	ML 000 FML	1 300250046	00000 12/2	V1952 8285	13 249 @ 226" CMT W/ 250 5X, 9 56 @ 3128" CMT W / 1208 5X, 7 @ 8229" CMT W / 1250 5X	Euro. 5500-5163 Surface (02/63-78/00-7974	
					-	-		04/07 0925 - 7974 04/05 6724 - 6007 & frac	
APACHE CORP NORTHEAST DRINKARD UNIT	200 4 215 37	E 3200	FSL 000 FEL	300250631	60000	0CV2 CS015	13 38 @ 285 CMT WI 259 5X, 8 58 @ 3151 CMT W L200 5X, 5 1/2 @ 7475 CMT W L 550 5X	2855 02453 7024 - 7386	
		ŀ						2015 7024 - 7284 & (rac. 6772 - 0762 SQZ	<b></b> -
AND	102 102	F 4520	FSI SOFFI	300250636	90000 12/2	11961 6750	0 55 @ 355 CMT W/ 250 5X: 2 7/8 T/thing String @ 0743	2200 00182 ET63 - 5805, 5062 - 5062	
								11(00, 0543 - 6003 6 fao 6462 (04667 6 740 - 0445 6 fao	
APAGHE CORP	126 512 6 502	200	FSL 000 FWL	100027000		NAME AND ADDRESS OF AD		04/83 0133 - 0393 6719 - 5834 8 9519 - 0235 SOZ	
APACHE CORP	300W 3 215 37E	E . 1980	FSL 1050 FWL	300250651	20000	V1949 0074	13 30 m 226° CMT WI 300 SX 9 56 m 2010° CMT W / 1809 SX 5 1/2 m 0014° CMT W / 000 SX	3000 11/49 0502 - 0540	
	M1 15 315 37	7E AOD E	NT OCH FWI	30025000	40000	5/1952 8145	11 338 @ 2007 CMT W/ 300 5X, 6 858 @ 2000 CMT W / 2000 5X, 5 1/2 @ 2847 - 6142 CMT W / 350 5X	6400 [04/62, 7609 - 8050	<b>1</b> •
APROTE CORF.								02/04.018P.7000.6795 - 6974.6 free. 7788.0097-87	17
						0000	1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-	0000548.0026.020000000000000000000000000000000	<del></del>
APACHE CORP NONHIFAST URINIARY UNIT	1521531	11E 3380	ESL 4520 FEL	3075090	10000	W1951 6152	10 30 @ 200 CMT W1 225 SK & 50 @ 2819 CMT W1 200 SX 5 1/2 @ 5020 CMT W1 400 SX	6452 0451 7900 - 7850 02/3 6723 - 7231	<del></del>
							A read for the second se	0205 P&A Surface (0501 5015 - 5034 & fmc	÷
APACHE CORP NO RUNARI DE LA CORDE CORP. APACHE CORP. NO RUNE CORP.	702 115 215 31	11E 2560	1 ENL 1300 EML 10	1 30025099	1100001	071047 0040	18 30 @ 121 CMI W1 40 35 3 LLCS WAY WAY 11 1 1 1 1 2 4 6 5 1 CMT W/ 500 SX	0+0-0250-25/01	-1

Wells outside Unit

Marcal         James         Marcal         Marcal </th <th>APACHE CORP</th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th> <th></th>	APACHE CORP										
Image: state		Actor	10 15 219 375	1960 FSI	THE WEAK	annachan	Turners		0403 5720-5633		
Normalization         Normalinteranination and and and and and and and and and an						Windnoox87000	198UAL/	2015 13 38 @ 241 CMT W/ 250 SX, 8 518 @ 2007 CMT W / 1700 SX, 5 1/2 @ 2017 CMT W/ 5/5 SX	2015 00/51 7647 - 7005		
Markation (action)         Markati									11/05 0080 - 7214		
Method between         Method	APACHE CORP	MOOTIESET CONVERSION							03/61 0421 - 0408 6 106 0080 - 7214 502		
Matrixet         Matrixet and matrixet         Matrixet and matrixet	APACHE CORP	MORTHEAST DRINKARD UNIT	341 3 215 37E	000 FSL 3	30 FW OIL	30025065150000	1/18/1952	6960 13 245 @ 216 . CMT W/ 250 5X, 8 28 @ 3156 CMT W/ 2200 5X, 5 1/2 @ 6060 CMT W / 200 5X	05/89 BP @ 0340.4016-4941		
MarketMarketBalanta	APACHE CORP	NORTHEAST DRINKARD UNIT	501 10 21S 37E	1960 FSL 2	CO FWL OIL	30025250154000	014/2007 C	0000 10 561 (2011 W / 576 SX 6 1/2 (0 9000 CMT W / 1400 SX	Surface (20152 2048 - 0058 Surface (20107 5433 - 0758 # 4 -		
UnitedInternationalIntern	APACHE CORP	NORTHEAST ORINKABD LANT				ANNAL ILLANAYANA	7041414	9440 TU 34 48 3TU CMI W/ ZXO 5X T 5/8 @ 2015 CMT W/ ZXO 5X, 2 1/8 @ 5860 CMT W/ 020 5X	2002 00002 5874 - 5930		
Mutual         Instant and another instant another instant and another ins			301 3 215 37E	1960 FSL	20 FWL CONGRESS GAS-W	0 30026003880002	1/18/1950 6	2020 13 20 02205 cm m 202 34, 6 50 02 27 cm w 1500 34, 6 12 02020 cm w 200 x	00004, 6793 - 6844 & trac		
Instant         Instant </td <td>APACHE CORP</td> <td>GULEHILE</td> <td>1 4215 37E C M</td> <td>W SE 1980 FSL 1</td> <td>960 FEL CONGREIOIL-WO</td> <td>30026064010001</td> <td>A NULORA</td> <td>1011 11 11 18 4 6 10 1 6 10 1 6 10</td> <td>2009 4/50 0020-80</td> <td></td>	APACHE CORP	GULEHILE	1 4215 37E C M	W SE 1980 FSL 1	960 FEL CONGREIOIL-WO	30026064010001	A NULORA	1011 11 11 18 4 6 10 1 6 10 1 6 10	2009 4/50 0020-80		
Instruction         Instruction         Instruction         Instruction         Instruction         Instruction           Instruction         Instruction	APACHE CORP						1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	2010 1 3 45 52 1 50 5111 M 150 25 5 25 25 25 50 1 M 200 85 5 1 12 (2 25 25 4 6 m w 3 55 3 5	2740 0/64 6052-6616		
Instruction		1-9 5400	12 6 215 37E	000 ESL 18	NO FEL CONGRES 1081G	30025004350002	9/4/1952 0	2222 132 304 @ 228 cm w 220 at a 240 at a 2550 cm w 1350 at 7 @ 6650° cm w 625 at	12/00 BP 6000' 3897-4019		
Markate in the state									SUTING 1002 0028-51		
Instruction	HUMBLE OF & REFO CO	NEW MEXICO STATE V	2 10 21S 37E	000 FSL 16	SO FML CONORES OIL	30025054540000	11/14/1048	1185 10 144 @ 192 cm w 232 m 1 500 @ 0000	7/10 3568-3826		
Image: statistic statis statistic statistic statistic statistic statistic	EXXON CORPORATION	NEW MEXICO 'V REATE	10 ME 01	1 Prov. 444 1 Prov. 1	The second s			A DESCRIPTION OF A	2000 2/49 0530-0751		
International         Internat				17 - 00 LON 100 LON 10	W F WL SONGRESS OF WC	30025004070005	5/20/1951 8	23e0 12 244 @ 328 cmt w/ 400 ex. 8 549 @3100 cmt w/ 900 sst. 6 1/2 @6367 cmt w/ 350 sst	3/54 P&A		
Instruction											
Instruction									3/01 7838-7004 non-commarcial		
Instructionational         Instructionational         Instructionational         Instructionational         Instructional         Instructional         Instructional           Instructionational         Instruction         Instructionational         Instructio									0/01 6940-7200		
Description         Description <thdescription< th=""> <thdescription< th=""></thdescription<></thdescription<>	Excentification	NEW MEXICO STATE V	100000						6/69 6200-02		
Machine Machine         Machine         Machine Machine         Machine Machine         Machine         Machine         Machine         Machine <th machine<="" th="">         Machina Machine</th>	Machina Machine			114613415	2012110	BU FWL CONGRESOL-WO	30025064690002	10/29/1951 7	1025 12,314 @337 cmi m 350 as 5 500 @ 3107 cm w 600 as 5 112 @ 7925 cm wi 500 as	5/24 BP @ 4305, 3827-3980	
Image: constraint in the second sec	EXXUN CURPORATION	NEW MEXICO 'V STATE	WD-9 10 215 37E	1980 FSL 1	980 FWL CONGRESERW	3005504710004	-0 C301/C/C	10.10.10.00 mm	4/03/6784-694		
March (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)								44 14 44 38 348 414 44 512 84, 1 345 58 30 14 5611 44 1000 at 15 17 59 8240 cmt wi 450 at	2990 3/52 8090-8202		
Bit Machine Bit Mac									8/56 7974-8004		
Market for the state of the state									110/01 BP @ 7630, 0697-7205		
Montholic biolic         District of control         District of contro         District of contro         District of contro         Distrest of contro         District of contro	APACHE CORP	NORTHEAST (DRINKARD) UNIT	233 3 215 37F	2547 F.S. 4	TO FWI CONCERCIN	CONSTRAINE REPORT			12/V2 BT (0 4405, 3763-3985		
Month Mark Transmission         Month Mark Tra	DURILESOM LEWIS BINC	STATE 10	2 10 21S 37E SW	Y SW 2273 FNL 4	97 FWL CONGRES OIL	30025300700001	12 DEALWARK	10.01 5 40 50 1205 500 1 10 35 1 12 500500 500 1 1000 5X	Surface 1/00 5002-6542		
Prodecided         District Number (BERT)         District Number (BERT)         District Number (BERT)         Production (BERT)         Prodoccon         Prodoccon         P	APACHE CORP	SIALE 10 NORTHEAST CONSTAND LINE	4 10 215 37E NM	W NW 407 FNL 40	<b>ZEWLCONGRESSOIL</b>	300253714800001	5/25/2005 51	15/10/18 20/6 0/14/14 0/14/10/04/11/2 0/14/14 0/04 10/14/14/14/14/14/14/14/14/14/14/14/14/14/	Suttince 0/03 0852-7091		
Multicle	APACHE CORP	STATE DA	5 16 215 37F NM	W SW 1410 FNL 3	ROENL CONGRESSION	30026372230000	12/20/2005 7	1.00   5 618 @1168 cm w 575 sr. 5 12 @1018 cm w 1800 sr	Surface		
Definition         Definition <thdefinition< th="">         Definition         Definiti</thdefinition<>						coord lancestore	2 Z9RL/4/2	5539, 113 246 ∯ 250 cmt w 200 ax, 8 5/8 ∯ 2820 cmt w 1500 ax, 6 1/2 @ 8225' cmt w 500 ax	1472 5/62 7836-7604		
Gentlout Ander         (60000 UAR)         (0131) (7344 (MeD)         Уждежиле         (910)									11/02 0000-7217		
www.weeting         1         11313.02.000         10133.02.000         9013.00.000         101000.000         101000.000         101	CHEVRON (15 A INC								7/05 5763-5950		
OPENDITATION         Laboration Materian         Laboration <thlabor< td=""><td></td><td>LEUNARU HARRY NOT-E</td><td>1 10 21S 37E C S</td><td>SW NI 1980 FNL 1</td><td>950 FEL CONGRE OIL-WO</td><td>30025066200003</td><td>8/14/1947 0.</td><td>070 13 39 @ 294 crit w 300 st. 6 50 @ 210 crit w 1100 v 7 @ 8410 crit w 200 v</td><td>10/04 3725-5303</td><td>-</td></thlabor<>		LEUNARU HARRY NOT-E	1 10 21S 37E C S	SW NI 1980 FNL 1	950 FEL CONGRE OIL-WO	30025066200003	8/14/1947 0.	070 13 39 @ 294 crit w 300 st. 6 50 @ 210 crit w 1100 v 7 @ 8410 crit w 200 v	10/04 3725-5303	-	
OFENDIOLIAND         LEANDLING         LEANDLING <thleandling< th=""> <thleandling< th="">         &lt;</thleandling<></thleandling<>									1850 11/47 0023-70		
OF CONCIDENT MARK         LEAVED MARK         J (3 1317 EXM Mon HW) EL CONNEL CONCELE (0,100         Seriform MON HW) EL CONCELE (0,100         Seriform MOL HW) EL CONCELE (0,100         Serif CONCELE (0,100 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1175 6000 ACO</td> <td></td>									1175 6000 ACO		
GENTROUM         LEPANDDUARTING         EPANDDUARTING         MANUAL         MANUAL        MANUAL         MANUAL	CHEVRON U B A INC	LEONARD HARRY 'NCT-E'	3116 21S 37F C N	NW NEWD FMI 10	A FEL CONCREGATION	Annehaenanna			7/02 BP @ 5800 koz 3800.72 3770-4004		
CERVIND LANC         EPANOD LANC <thepanod lanc<="" th=""> <thepanod lanc<="" th=""></thepanod></thepanod>				_		20007200002000	D 95ALANIA	1/1U 113 X18 83 X44 cmt wr 300 sx, 9 X18 @ 2800' cmt wr 1200 sx, 7 @ 8549' cmt wr 700sx	2404 11/48 0040-6710		
Mill         Optimization         Mill	CHEVRON U S A INC	LEONARD HARRY NCT E	5 10 21S 37E SE	5 SE N 2310 FNL 3	30 FEL CONGRESION-WO	30025006240100	71221406.0	200   15 1/4 /00 266 event wid 12/6 events in state of the minimum	7/02 3773-3068		
Image: Term								200 1 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	5392 7/52 7805-7620		
Mindle Old         Mindle Old <thmindle old<="" th="">         Mindle Old         Mindle O</thmindle>									0/00 pump 330 ex thru holes @ 7400 (toc 5392	by ISo, 7285-7333 1	
Image: Signer Microsoft         Static Units         St									11/3/CIBP 68 7280, 0745-7220		
MONDEGRIP         Initiality         Initiality         MONDEGRIP         MONDEGRIP <thmondegrip< th=""> <thmondegrip< th=""> <t< td=""><td>STANOLND OIL CO</td><td>STATE C 18-12</td><td>A 10 110 170</td><td>A10 CM</td><td>to File Adviount to .</td><td></td><td></td><td></td><td>1002 DF 02 4100, 5/08-3005</td><td></td></t<></thmondegrip<></thmondegrip<>	STANOLND OIL CO	STATE C 18-12	A 10 110 170	A10 CM	to File Adviount to .				1002 DF 02 4100, 5/08-3005		
Instruction	APACHE CORP	STATE LAND 15	10 210 310 0	DOU FNL 15	OU FWL CONGRES J&A	30025066270000	2/11/19-48 5	1762   13 348 @ 312 cmt w/ 300 ex, 9 5/8 @ 1385 cmt w/ 900 ex	The FORM IRA	- Pa	
Mynole         Test is the function of the fun			1 10 219 315 0 2	arr avecu Fall to	U FWL CUNGKES! USAW	30025006300003	1/10/5947 6	100 113 X18 @ 334' cmt wi 350 ss, 8 5/8 @ 2848 cmt wi 2100 sx, 7 @ 6698 cmt wi 300 sx	2655 3/47 6660-6030		
Mynole         Externed         1 <th1< th="">         1         1         <t< td=""><td></td><td></td><td></td><td> </td><td></td><td></td><td></td><td></td><td>4/63 5779-5669</td><td></td></t<></th1<>									4/63 5779-5669		
Mytole Ecore         Title Lung 1         2         1 (a18317)         Constrained         2 (a18377)         2 (a183777)         2 (a183777)         2 (a183777)         2 (a183777)         2 (a183777)         2 (a183777)         2 (a1837777)         2 (a18377777)         2 (a18377777)         2 (a183777777)         2 (a183777777)         2 (a183777777)         2 (a183777777)         2 (a1837777777)         2 (a1837777777)         2 (a18377777777)         2 (a183777777777777)         2 (a183777777777777777777777777777777777777				•					7/71.3718-3767	-	
Annumerie         2 (1013 31 Content)         2 (1013 31 Conten)         2 (1013 31 Conten)	ADACHE CORD								2/04 Tet 5048-0050, BP @ 0400, aqz 6048-689		
Monde Golp         Insistent         Monde Golp         Antion Monde		SIAIE LANU 16	2 10 219 37E C 5	SE SV 660 FSL 19	90 FWL CONGRESIOIL-WO	30025086310003	3/15/1947 5.	100 113 248 @ 380 cmt w 300 sx. 8 6/8 @ 2864 cmt w 1000 sx. 5 1/2 @ 6669 cmt w 300 sx	2040 E147 8540 4850, 3810-3047		
ONCIRE CORP         17 (25) (316)         State State Concrete Concre Concrete Concrete Concrete Concrete Concret Concrete Concrete C							-		10/03 6704-6872		
Marchell         Marchell         Marchell         Marchell         Marchell         Southell         Marchell         Southell         Marchell         Southell         Marchell         Southell         Marchell         Southell	APACHE CORP	LOCKHART A.17	0 47 940 970	ACTOR FOR AL	A FEI CONODEC AN 110				12/04/3805-3917		
MANUE         MONTRAI			A IL ANGLE	LADA LOP C	ON LET CONGRESSION	1000/100003/000	4/15/1947 6	030   13 30 @ 105 cmt wi 200 sx, 9 5/6 @ 2538 cmt wi 460 sx, 6 1/2 @ 0820' cmt wi 500 sx	Surface 0/47 0505-0003		
Microscole         Microsc									5/50 3525-3505		
MANUE         Montes         Instruction         Construction         Garante         Final According         Construction         Construction <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>6/70 add 5550-5045</td><td></td></th<>									6/70 add 5550-5045		
MANUEGOIP         How Ke1         0 a 213 or Ke         Iron or Ke1         Solution or Ke1         Solutior Ke1         Solutior Ke1         Sol									4/61 842 3526-3506		
Officient IA INC         Economic Mathematical State         Interaction State </td <td>APACHE CORP</td> <td>HAWK B-1</td> <td>0 9 213.37E</td> <td>1000 FSL 1</td> <td>DED FWL CONGRE OIL-WO</td> <td>30025099070004</td> <td>6/20/1948 6</td> <td>(130 13 3)8 @ 230' criti w 200 at, 9 5/8 @ 2779' criti w 560 at, 7 @ 6980' criti w 550 at, 5' 8400-1628 w 116 at</td> <td>Stirfers AVAN BARA AVAN</td> <td></td>	APACHE CORP	HAWK B-1	0 9 213.37E	1000 FSL 1	DED FWL CONGRE OIL-WO	30025099070004	6/20/1948 6	(130 13 3)8 @ 230' criti w 200 at, 9 5/8 @ 2779' criti w 560 at, 7 @ 6980' criti w 550 at, 5' 8400-1628 w 116 at	Stirfers AVAN BARA AVAN		
Chéricht LE Ainc         LE Choire Drugting refi.         In 10 ansament 150, 31 and 200 min.         V/VIER         V/VIER         V/VIER         Prior Annuel									7/66 #dd 5000-5640		
OFFORD & A INC         ECOMPN MURPH KeTE         0 (15/35) Tel (25/2017)         Summer 27/2017 (15/2017)         Summer 27/2017 (15/2017)           OFFORD & A INC         (10/35) Tel (25/2017)         Summer 27/2017 (15/2017)         Summer 25/2017 (15/2017)         Summer 25/2017 (15/2017)           OFFORD & A INC         (10/35) Tel (25/2017)         Summer 27/2017 (15/2017)         Summer 27/2017 (15/2017)         Summer 27/2017 (15/2017)           OFFORD & A INC         (10/35) Tel (25/2017)         Summer 27/2017 (15/2017)         Summer 27/2017 (15/2017)         Summer 27/2017 (15/2017)           Offord A INC         (10/35) Tel (27/2017)         (10/35) Tel (27/2017)         Summer 27/2017 (15/2017)         Summer 27/2017 (15/2017)							-		7/83 deepen to 7530, BP @ 0973, 0784-0801		
Miles         Description         Miles         Difference         Differee         Difference         Difference	CHEVRON U S A INC	LEONARD HARRY NCT.E	A 40.015.17F ME	NENTO CUL	VEEL CONDECCOR WO	1000011303000	(a attaints	100 A 61 & 61001 0 600 0 600 0 600 0 600	7/05 4126-4212		
Deter Caracterian 18/10/13/13/16 (2016) 20			A 14 213 31 14	THE LOOP LAND		Loopphazezooc	0 0/11/11/1		Surface 2/70 0401-0614		
	Apriche Corpornijon	State C TR 12	21 10 21S 37E	430 FN: 221	0 FWI 101	00002057556006	2 SIDCIBILIT	THE A STAR OLD TW/ KON SY F 1/2 M TOW CLIT W/ 4200 SY	0102 BP 02 0304, 3720-3908		

Wells outside Unit



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					APACHE CORF						
Lease Well Area Res	NE Drinkarc 205 Lea Blinebry, Tu	l Unit bb, Drinkard		Plug Location : 33 BHL: 33 Start Date End Date 2/	and Abandoned Well 300' FSL, 660' FSL, 300' FSL, 660' FSL, 22/1996	Summary Sec. 3 T-: Sec. 3 T-:	21S R-37E 21S R-37E	Eleva	API 300250 TD 6730' tion: tKB:	65210000	
Directional	Sands /	Depth	Completion		Casing	tnc	Hole	Casing	Mud Wt.	Max. Doglag Severity	•
	Markers		Fill 2 7/8" CSG With Cement to Surface.		Profile	0°	5129	Surface Casing 9 5/8 " CMT W / 250 SX Circ to Surface			•
		271'									
				-							
	· · · · ·			· ·							
· · · ·	Blinebry Perfs	5719' - 5834'	SQZ 04/83								
	Tubb Perfs	6133' - 6363'						Production Casing			
lote: Not to	Drinkard Perfs Casting Shoe Scale	6519' - 6635' 6724'	SQZ 04/83			- · · · ↓ - · · · · ↓		2 7/8" CMT W / 325 SX TOC = 5452' (Calc)			

				· · · ·	APACHE CO	RP.		······		
				Plu	g and Abandoned V	Vell Summary	r			
Lease Well Area Res	: H.T. Matter : 12 : Lea : Drinkard	n NCT-C	· · · · · · · · · · · · · · · · · · ·	Location : BHL: Start Date End Date	2310' FNL, 660' FV 2310' FNL, 660' FV 11/19/2002	VL, Sec. 8 T. VL, Sec. 8 T	-21S R-37 -21S R-37	E E Eleva	API 300252 TD 6800' ation: 3,476' RKB:	55470000 ·
Directional	Sands /	Depth	Completion	r <u> </u>	Casing	Inc	Hole	Casing	. Mud Wt.	Max. Dogleg
	Markors	TVD	Info		Profile	deg	Size	Details	& Type	Severity
		<u> </u>	40 sack Cement Plug			0°		Surface Casing 8 5/8 " CMT W / 550 SX Circ to Surface		
		354*								
		1088'	Cement Plug, 35 SX							
		2400'	Cement Plug, 25 SX							
	·	3200'	Cement Plug, 25 SX			↓ . ↓ .				
		5276*	CIBP	•			-		• • •	· · · · · · · · · · · · · · · · · · ·
		5506'	25 SX							
				• • • • • • • • • • • • • • • • • • • •						
	Drinkard Perfs Casting Shoe	6567° - 6740' 6800°		•				Production Casing 5 1/2" CMT W / 1600 SX CIRC TO SURFACE		
ote: Not to	Scale									1 (1) (1) (1) (1)

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NO. OF COPIES RECEIVED DISTRIBUTION SANTA FE NEW MEXICO OIL CONSERVATION COMMISSION FILE	Form C-103 Supersedes Old C-102 and C-103 Effective 1-1-65
U.S.G.S. LAND OFFICE OPERATOR	Sa. Indicate Type of Lease         State       Fee.         S. 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.)	
OIL AS WELL OTHER-	7. Unit Agreement Hunde
Summit Energy, Inc.	Gulf Hill
3. Address of Operator 112 North First, Artesia, N.M. 88210-	9. Well No. 4
4. Location of Well 4. Location of Well 9. UNIT LETTER S 1980 FEET FROM THE UNEST LINE AND FEET FROM	B. Field and Pool, an Wildca Drinkard - Blinebry Wantz Abo
South 4 21S 37E MPM.	
3476 GR	12. County Lea
Check Appropriate Box To Indicate Nature of Notice, Report or Oth NOTICE OF INTENTION TO:	er Data REPORT OF:
PERFORM REMEDIAL WORK     PLUG AND ABANDON     REMEDIAL WORK       TEMPORARILY ABANDON     COMMENCE DRILLING OPNS.       PULL OR ALTER CASING     CHANGE PLANS     CASING TEST AND CEMENT JQB	ALTERING CASING
OTHER	
17. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including work) SEE RULE 1703. A 600' Cement Plug was spotted over Wantz Abo Perfs, fro	estimated date of starting any proposed om 7020 back to 6420.
A 600' Cement Plug was spotted over Drinkard Perfs, from	n 6596 back to 5996.
A 600' Cement Plug was spotted over Blinebry Perfs, from	n 5717 back to 5117.
A 200' Cement Plug was spotted over perfs from 3951 bac	ek to 3751.
A 100' Cement Plug was spotted over 2 7/8" Tubing Stubs to 3633.	from 3733 back
A 100' Cement Plug was spotted in and out of 10 3/4" cas back to 2840.	ing from 2940
A 10 sack cement plug was spotted on surface with dry ho	le marker.
Location is cleared and ready for inspection.	
3. I hereby certify that the information above is true and complete to the best of my knowledge and belief.	7 10 70
GNED D'aut Mula UIVISION Engineer	/-19-/4 DATE
'PROYED BY	FLO 012/5
DNDITIONS OF APPROVAL, IF ANY!	14

!

Side 1 HON WELL DATA SHEET Standind OPERATOR: #6 State C Tract 12 WELL NAME & NUMBER: WELL LOCATION: <u>660 FNL</u>, 1980 FWL FOOTAGE LOCATION 16 215 37E TOWNSHIP UNIT LETTER SECTION RANGE IVELLBORE SCHEMATIC WELL CONSTRUCTION DATA Surface Casing Cristine. Casing Size: 13<sup>3</sup>/B Hole Size: 133/80312' Cemented with: 300 ft SX Swrf Circ Top of Cement: Method Determined: Intermediate Casing 扩 10 mad 95% Casing Size: Hole Size: 14 600 Cemented with: sx. or Method Determined: Per plugging Rpt Surf Top of Cement: 95/8 21385 E \$ \$ Production Casing Hole Size: Casing Size: \_\_\_\_\_ ft<sup>3</sup> Cemented with: \_\_\_\_\_\_sx. or Top of Cement: Method Determined: Total Depth: Injection Interval feet to\_ (Perforated or Open Hole; indicate which) INJECTION WELL DATA SHEET Tubing Size: \_\_\_\_ Lining Material: Type of Packer: Packer Setting Depth: Other Type of Tubing/Casing Seal (if applicable): \_\_\_\_ Additional Data 1. Is this a new well drilled for injection? Yes No TD = 5762 If no, for what purpose was the well originally drilled? Name of the Injection Formation: 2. 3. Name of Field or Pool (if applicable): Has the well ever been perforated in any other zone(s)? List all such perforated 4. intervals and give plugging detail, i.e. sacks of cement or plug(s) used. 5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: \_

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Form C-103	ロヤオガ	ION COM	MIGGION		
	le V ALL Ita Fa N	W Mexico	MISSION	MAY.	111000
UPLI Intertitions		DORTS ON II	ונו כ		
	.000 -111		ULLU	HOBBS	
Sumbit this report in triplicate to the Oil Conserva specified is completed. It should be signed and swe tions, results of shooting well, results of test of cas tions, even though the work was witnessed by an ag	tion Com orn to be sing shut gent of the	mission or its pr fore a notary pul off, result of plu e Commission. I	oper agent wit blic for reports ugging of well, Reports on mir	hin ten days afte on beginning dri and other impor or operations ne	r the work lling opera- tant opera- ed not be
signed and sworn to before a notary public. See addi Indicato nature	tional ins e of repo	tructions in the ort by checking l	Rules and Reg below.	ulations of the C	Commission.
REPORT ON BEGINNING DRILLING OPERA- TIONS	-	REPORT ON	N REPAIRING	WELL	<u> </u>
REPORT ON RESULT OF SHOOTING OR CHEM- ICAL TREATMENT OF WELL	•	REPORT OF ALTER	N PULLING O ING CASING	R OTHERWISE	
REPORT ON RESULT OF TEST OF CASING SHUT-OFF		REPORT ON	I DEEPENING	WELL	
REPORT ON RESULT OF PLUGGING OF WELL	I				
1 1	Ma	y 3, 1948	Ĥ	obbs, NNew Me	xico
SANTA FE, NEW MEXICO. Sentlemen: Following is a report on the work done and the resu Stanolind Oil "Gas Company	ilts obtair State (	ned under the he	eading noted al	bove at the	in the
Company or Operator		Lease	weil f	9. T2	in the
Drinkard right	Lee	ТСЦ=О	, R <b>)</b>	<u>(-</u> , N	I. M. P. M.,
he dates of this work were as follows: Kay 2	& 3, 1	1948	· · · · · · · · · · · · · · · · · · ·		
otice of intention to do the work was (was not)	submitte	d on Form C-10	2 on May	1	48
nd approval of the proposed plan was (was not)	obtained	. (Cross out in	correct words.	)	· · · · · · · · · · · · · · · · · · ·
DETAILED ACCOUNT OF	WORK C	ONE AND RES	ULTS OBTAIN	IED · · ·	•
Plugged according to approval.	C- I	(02)			
	• .	•	· · · ·		•
		·	· · · ·	•	
itnessed by Thomas S. Holden	Stanol	lind Oil 🗯 C	as Company	Head F	loustabout
Name		Comp	any		Title
Subscribed and sworn before me this	I is	hereby swear of true and correct	n affirm that t	he information g	given above
day of, 19.	48 N	ame Kulf	sheften	uluckoan	
Amith	· P	osition FI	ELD SUPT.	TT 2 04 - 00	
Notary Public	e Re	epresenting	Company or	Operator	
My commission expires 2-23-50	A.	ddress BOX	F: HOBBS,	N W MEXICO	
Remarks:	· .	· · ·	VLDE	Harlit	s stal

APP	RO	VEI	)
Date	MAY	1.18	<u>.</u> 4:-

CAS IN TITLE

Form C-102

ĺ	NEW	MEXICO OIL	CONSERVATION	COMMISSION	
		SANT	A FE, NEW MEXICO		Į
÷.,	1. · • · · · · · · · · · · · · · · · · · ·	MISCHLLA	NEOUS NOTIC	CES	

Submit this notice in triplicate to the Oil Conservation Commission or its proper agent before the work specified as to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained See additional instructions in the Rules and Regulations of the Commission.

Indicate nature of notice by checking below:

NOTICE OF INTENTION TO TEST CASING SHUT-OFF	NOTICE OF INTENTION TO SHOOT OR CHEMICALLY TREAT WELL	
NOTICE OF INTENTION TO CHANGE PLANS	NOTICE OF INTENTION TO PULL OR OTHERWISE ALTER CASING	
NOTICE OF INTENTION TO REPAIR WELL	NOTICE OF INTENTION TO PLUG WELL	ļ
NOTICE OF INTENTION TO DEEPEN WELL		X

Hobbs, New Mexico

941-48

OIL CONSERVATION COMMISSION, Santa Fe, New Mexico.

Gentlemen:

Following is a notice of intention to do certain work as described below at the

					Well 1	Noi	n
	Starter Ind Office Starter	Gas Company	STORTS "C"	Tract 12		6	NW
of	Sec T	Ř.		N. M. P. M.			Field.
	16	21-S	A7-E	···· ·····, _···	Drinkard		
	Lea						

FULL DETAILS OF PROPOSED PLAN OF WORK

FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS OF THE COMMISSION

This well was spudded 2-10-48 and drilled to total depth of 5762. Drill pipe was stuck and all efforts to recover it failed. We propose to plug by setting a 30-sack cement plug at bottom of  $-5/8^{"}$  casing set at 1385-cemented to surface, and a 10-sack plug in top of  $9-5/8^{"}$ . All pipe will be left in tact—the hole filled between and below plugs with 10# mud. Cellar will be filled and ground restored to conform with the natural terrain (Confirming telephone-Hendrickson to iarbrough-5/1/48).

Approved NAY 1 1 1948	
except as follows:	Stanolind OTPATY, Gago Ciffpany
	Position Send configurations well to
OIL CONSERVATION COMMISSION, By Def 11 Marker 1991	Name
Title C. SAN INFERTON	BOX F; HODDS, NEW MEXICO

Side 1 ON WELL DATA SHEET Humble Oil OPERATOR: #2 State WELL NAME & NUMBER: New Mexico 215 WELL LOCATION: 660 FSC, 1980 FWL 10 37E K FOOTAGE LOCATION RANGE UNIT LETTER SECTION TOWNSHIP WELLBORE SCHEMATIC WELL CONSTRUCTION DATA Surface Casing 10 3/4 Casing Size: Hole Size: 275 £, Cemented with: sx. Surt LIC Top of Cement: Method Determined: 63/4 \$ 332 350 Intermediate Casing 75% Casing Size: Hole Size: 1978 Cemented with: 1250 sx. or Method Determined: Plugsing Rpt 360 Top of Cement: Production Casing 75/803194 Casing Size: 52 Hole Size: 575 Cemented with: sx. 2000' Method Determined: Plugging Rot Top of Cement: Total Depth: Injection Interval feet to (Perforated or Open Hole; indicate which) INJECTION WELL DATA SHEET Lining Material: Tubing Size: \_\_\_\_ \_\_\_\_ Type of Packer: \_\_\_\_ Packer Setting Depth: \_\_\_\_ Other Type of Tubing/Casing Seal (if applicable): \_ Additional Data Yes \_\_\_\_ 1. Is this a new well drilled for injection? No If no, for what purpose was the well originally drilled? \_ Name of the Injection Formation: 2. Name of Field or Pool (if applicable): 3. 4. Has the well ever been perforated in any other zone(s)? List all such perforated intervals and give plugging detail, i.e. sacks of cement or plug(s) used. F5206656' 6536-6656 5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: TD 6751

	· · · · · · · · · · · · · · · · · · ·		·····	(Form C-103)
UPLICA	TREWTM	EXICO OIL CONSERVATION Santa Fe, New Mexico	COMMISSION RECEIV	Revised 1/1/52
	MISCE	LLANEOUS REPORTS	ON WELLOUS CONSERVATION	54. MAISSIAN
Submit this report in TRIP	LICATE to the	District Office, Oil Conservation Com	mission, within 10 days after the work-of-	Eifed is com-
pleted. It should be signed and a result of well repair, and other instructions in the Rules and Re	filed as a report important ope egulations of th	on Beginning Drilling Operations, Rest rations, even though the work was with e Commission.	alts of test of casing shut-off, result of plug tnessed by an agent of the Commission. S	gging of well, See additional
		ndicate Nature of Report by Checki	ng Below	
REPORT ON BEGINNING DRILLING OPERATIONS		REPORT ON RESULT OF TEST OF CASING SHUT-OFF	REPORT ON REPAIRING WELL	
REPORT ON RESULT OF PLUGGING WELL	x	REPORT ON RECOMPLETION OPERATION	REPORT ON (Other)	
		April 8, 1954 V	liobbs, New X	inst do
Following is a report on th	nc work done a	(Date)	(Plac	e)
Humble Oil & Rofini	ng Company	•	New Next co State V	
(Compar	ny or Operator)	······	(Lease)	
Genicle Drilling Com	ontractor)	, Well No		Sec
г. <b>219</b> , <b>р. 376</b> , ммрм	I. Dein	Pool,	Lee	County.
The Dates of this work were as fo	lows:	3-10-54		
Notice of interview to do do				
			2_1#_KL	10
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## NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## MISCELLANEOUS REPORTS ON WELLS

Submit this report in TRIPLICATE to the District Office, Oil Conservation Commission, within 10 days after the work specified is completed. It should be signed and filed as a report on Beginning Drilling Operations, Results of test of casing shut-off, result of plugging of well, result of well repair, and other important operations, even though the work was witnessed by an agent of the Commission. See additional instructions in the Rules and Regulations of the Commission.

Indicate Nature of Report by Checking Below

,	3-18-54	Hobbs. New Maxico
REPORT ON RESULT	REPORT ON RECOMPLETION	REPORT ON
OF PLUGGING WELL	OPERATION	(Other)
REPORT ON BEGINNING	REPORT ON RESULT OF TEST	REPORT ON
DRILLING OPERATIONS	OF CASING SHUT-OFF	REPAIRING WELL

Following is a report on the work done and the results obtained under the heading noted above at the

Rumble Oil & Refining Company (Company or Operator)		W. Mexico State V.	·····
Gackle Drilling Company (Contractor)	, Well No 2	the SE 1/4 SW 1/4 of Se	cc <b>10</b> ,
T. 21S , R. 37E , NMPM., Drinksrd	Pool,L	<b>#</b> 8	County.
The Dates of this work were as follows: Started drilling on e	ement 3-3-54.		
Notice of intention to do the work (was) (	C-102 on	out incorrect words)	, 19,

and approval of the proposed plan (was) (version) obtained.

#### DETAILED ACCOUNT OF WORK DONE AND RESULTS OBTAINED

Drilled junk and cement to 5056' in 10-3/4", 7-5/8" and 5-1/2" casing. Pulled out of hole to change bits, started back in hole and bit stopped at top of 7-5/8" casing at 362'. Ram impression blocks and found 7-5/8" coupling had turned over on pipe and lodged in top of casing. Attempted to mill up coupling but failed to do so; mills sidetracked casing.

How preparing to plug and abandon.

		· .			
Witnessed by Man Mame	_ Humble O	(Company)	Company	District St (Title)	speristendent
Approved:	N	I hereby certify th	hat the informa	tion given above is tru	e and complete
A. C. Stanley		Name M	M.	Rogen	
(Name)		Position Di	trict Su	perintendent	
(Title) RMG/mcb	(Date)	Representing Address	x 2347, H	bbs, H. M.	

### NEW MEXICO OIL CONSERVATION COMMISSION

Santa Fe, New Mexico

## MISCELLANEOUS NOTICES

Submit this notice in TRIPLICATE to the District Office, Oil Conservation Commission, before the work specified is to begin. A copy will be returned to the sender on which will be given the approval, with any modifications considered advisable, or the rejection by the Commission or agent, of the plan submitted. The plan as approved should be followed, and work should not begin until approval is obtained. See additional instructions in the Rules and Regulations of the Commission.

#### Indicate Nature of Notice by Checking Below

Notice of Intention		Notice of Intention to	Notice of Intention
to Change Plans		Temporarily Abandon Well	to Drill Perfor Comput Plugs
NOTICE OF INTENTION		Notice of Intention	NOTICE OF INTENTION
TO PLUG WELL		to Plug Back	TO SET LINER
Notice of Intention	·	Notice of Intention	Notice of Intention
to Squeeze		to Acidize	to Shoot (Nitro)
Notice of Intention to Gun Perforate		Notice of Intention (Other)	Notice of Intention

OIL CONSERVATION COMMISSION SANTA FE, NEW MEXICO

Hobbs, New Maxico

February 16, 195

Gentlemen:

Mumble Oll & Refining Company	Well No. 2	in 📲
(Company or Operator)		(Unit)
SE 1/4 St 1/4 of Sec. 10 T 213	R. 378 ,NMPM., Drinkard	Peol
Tan	· · · · · · · · · · · · · · · · · · ·	

.....County.

FULL DETAILS OF PROPOSED PLAN OF WORK (FOLLOW INSTRUCTIONS IN THE RULES AND REGULATIONS)

The well was plugged and abandoned in May 1949.

Objective: The purpose of this workover is to drill out cament plugs, set a liner, and recomplete as a Tubb gas well.

Intended Procedure: It is intended to recomplete the well according to the following procedure: (1) more in and rig up light power rotary rig, (2) drill out easent to top of 5-1/2-inch casing with a 6-3/4-inch bit, (3) pull bit and run 4-3/4-inch bit with casing scraper and drill out bridging plugs and cemant to 6370 feet, (4) set a cast iron bridging plug on bottom at 6370 feet with 10 foot occant on top, (5) runs a 4-inch OD The liner to 5400! and cement to surface; (6) drill plug and spot cill or fresh water from 5600 feet to bottom and pull out of hole, (7) performe casing from 6290 to 6360 feet, (8) run tubing and much and test, (9) treat with 500 gallons of mad acid and 3000 gallons of low tension acid, (10) seeb acid load and place on production.

Approved	Humble Oil & Refining Company
Except as follows:	Company of Operator
	By INI m Ogun
Approved	Position District Superintendent
OIL CONSERVATION COMMISSION	Dena Communications (Charming went to)
By A. J. Stanley	Name Huble Oil & Refining Co.
Title	Addame Box 2347. Hobbs, N. K.
BCD/mcb	Auuren

Form C-108

OIL CONSERVATION COMMISSI	ON
Senta Fe. New Mexico	MAY 2 6 1949
FRISCELLANEOUS REPORTS ON WELLS	
a to the Oil Concernation Commission on its success and	t mithing to BS Office the Wa

Submit this report in triplicate to the Oil Conservation Commission or its proper agent within ten days Alter the work specified is completed. It should be signed and sworn to before a notary public for reports on beginning drilling operations, results of shooting well, results of test of casing shut off, result of plugging of well, and other important operations, even though the work was witnessed by an agent of the Commission. Reports on minor operations need not be signed and sworn to before a notary public. See additional instructions in the Rules and Regulations of the Commission. Indicate nature of report by checking below.

Indicate	e nature of r	eport by checking b	elow.	
REPORT ON BEGINNING DRILLING OF TIONS	PERA-	REPORT ON	REPAIRING WELL	
REPORT ON RESULT OF SHOOTING OR C ICAL TREATMENT OF WELL	HEM-	REPORT ON ALTE	PULLING OR OTH RING CASING	ERWISE
REPORT ON RESULT OF TEST OF CA SHUT-OFF	SING	REPORT ON	DEEPENING WEL	L
REPORT ON RESULT OF PLUGGING OF V	WELL X		. ·	
	Me	y 23, 1949 🗸	/	Midland, Tex
OIL CONSERVATION COMMISSION, SANTA FE, NEW MEXICO Gentlemen:	1	Date		Place
Following is a report on the work done and th Humble Oil & Refining Co. N.	ne results obt	ained under the hea	ding noted above at Well No. 2	the in the
<u>SE/4 of NE/4</u> Company or Operator Drinkard of Sec.	10	Lease , T. <u>21-5</u>	, R <u>37-5</u>	, N. M. P. M.,
Field,	5-12-19	to 5-16-19		County.
The dates of this work were as follows:	/ -/ -/		C 30	
asing and 354.90! of 7-5/6" cast arker installed.	Ing. Wel	L plugged and	abandoned. Rep	gu <b>lati</b> on
Witnessed by				· · · · · · · · · · · · · · · · · · ·
Nam	le	Compa	ny	Pitle
Subscribed and sworn before me this 24 day of May	19.49	I hereby swear or is true and correct Name	firm that the info:	rmation given above
alma D. John	aan,	Position Ass	t. Div. Superin	the second a second
ALMA D. POREN Natary F	Public	Representing Hum		L'encienc
My commission expires 6-1-49			ble Oil & Refir	ing Company
	· . · ·	Address Box	ble Oil & Refir Company or Operato 1600, Midland,	ing Company r Texas
emarks: APPR:	VED	Address Box	ble Oil & Refir Company or Operato 1600, Midland, NGG M	ing Company r Texas

# ITEM VII OF NEW MEXICO OCD FORM C-108 DATA ON PROPOSED OPERATIONS EAST BLINEBRY DRINKARD UNIT

- 1) Proposed average initial injection rate is 12,225 borpd. Maximum injection rate should not exceed 15,000 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).

50

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 BLINEBRY DRINKARD UNIT

The Formations being targeted for water injection are the Blinebry, Tubb and Drinkard at depths ranging from approximately 5550' 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 communications with the New Mexico States Engineer's Roswell office and a review of online files there are 7 fresh water wells (see attached) in the area of review. The deepest of these wells is 163'. Which is the assumed base of fresh water. All wellbores involved with the proposed injection program are constructed 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

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 possible drinking quality is confined to 163' and shallower. No contamination 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.

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New Mexico Office of the State Engineer         POD Reports and Downloads         Township:       [215:] Range:       [37E]       Sections:       [3.4,5,8,9,10,15,16,17,20,21]         NAD27       X:        Y:        Search Radius:	County:     Basin:     Number:       Owner Name:     (First)     Cast)     Con-Domestic       Owner Name:     (First)     (Last)     Chast)       POD//Surface     Data:Report     AvgDepthito/Water Report     Mate       Cleart Form     INATERSMenu     Help	File Nbr       Use       DOM       SURFACE DATA REPORT       08/14/2007       (q         File Nbr       (acre ft per annum)       (q       (q       (q         00063       DOM       0 RIGHT REVEREND SIDNEY MEIZGER       POD Number       (q	00251         IND         48         VERSADO         GAS         FROCESSORS         LLC         CP         00251           00252         IND         40         VERSADO         GAS         FROCESSORS, LLC         CP         00252           00552         STK         3         MILLARD         DECK         CP         00552           00553         STK         3         MILLARD         DECK         CP         00553           00554         STK         3         MILLARD         DECK         CP         00553           00554         STK         3         MILLARD         DECK         CP         00553           00554         STK         3         MILLARD         DECK         CP         00554           00881         DOM         3         RICHARD         DON JONES         CP         00881	00895 DOM 3 JOE R. SIMS cord Count: 8	

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8/14/2007

	POD Reports and Downloads	
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Owner N	ame: (First) C Non-Domestic C Domestic 6 All	*.
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