



3.29.11	SUSPENSE	ENGINEER <i>WJ</i>	LOGGED IN 3.29.11	TYPE <i>SWD</i>	APP NO. <i>1108848774</i>
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NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

1220 South St. Francis Drive, Santa Fe, NM 87505

ABOVE THIS LINE FOR DIVISION USE ONLY

ADMINISTRATIVE APPLICATION CHECKLIST

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

Application Acronyms:

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

[1] TYPE OF APPLICATION - Check Those Which Apply for [A]

[A] Location - Spacing Unit - Simultaneous Dedication
NSL NSP SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement
DHC CTB PLC PC OLS OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery
WFX PMX SWD IPI EOR PPR

[D] Other: Specify _____

[2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or _ Does Not Apply

[A] Working, Royalty or Overriding Royalty Interest Owners

[B] Offset Operators, Leaseholders or Surface Owner

[C] Application is One Which Requires Published Legal Notice

[D] Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office

[E] For all of the above, Proof of Notification or Publication is Attached, and/or

[F] Waivers are Attached

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

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

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

Print or Type Name

BRIAN WOOD
(505) 466-8120
FAX 466-9682

Signature

Title

CONSULTANT

Date

3-28-11

e-mail Address

brian@permitswest.com

Apache Corporation's
Apache State SWD #3
30-015- *38978*

Apache

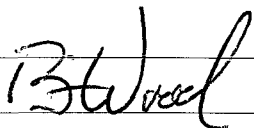
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APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance XXX Disposal _____ Storage
Application qualifies for administrative approval? _____ Yes _____ No
- II. OPERATOR: APACHE CORPORATION
ADDRESS: 303 VETERANS AIR PARK LANE, SUITE 3000, MIDLAND, TX 79705
CONTACT PARTY: BRIAN WOOD (PERMITS WEST, INC.) PHONE: 505 466-8120
- 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 XXX 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: **APACHE STATE SWD #3**
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: BRIAN WOOD TITLE: CONSULTANT
SIGNATURE:  DATE: MARCH 28, 2011
E-MAIL ADDRESS: brian@permitswest.com
- * If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal: _____

III. WELL DATA

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

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

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

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

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

XIV. PROOF OF NOTICE

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

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

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

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

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

INJECTION WELL DATA SHEET

Side 1

OPERATOR: APACHE CORPORATION

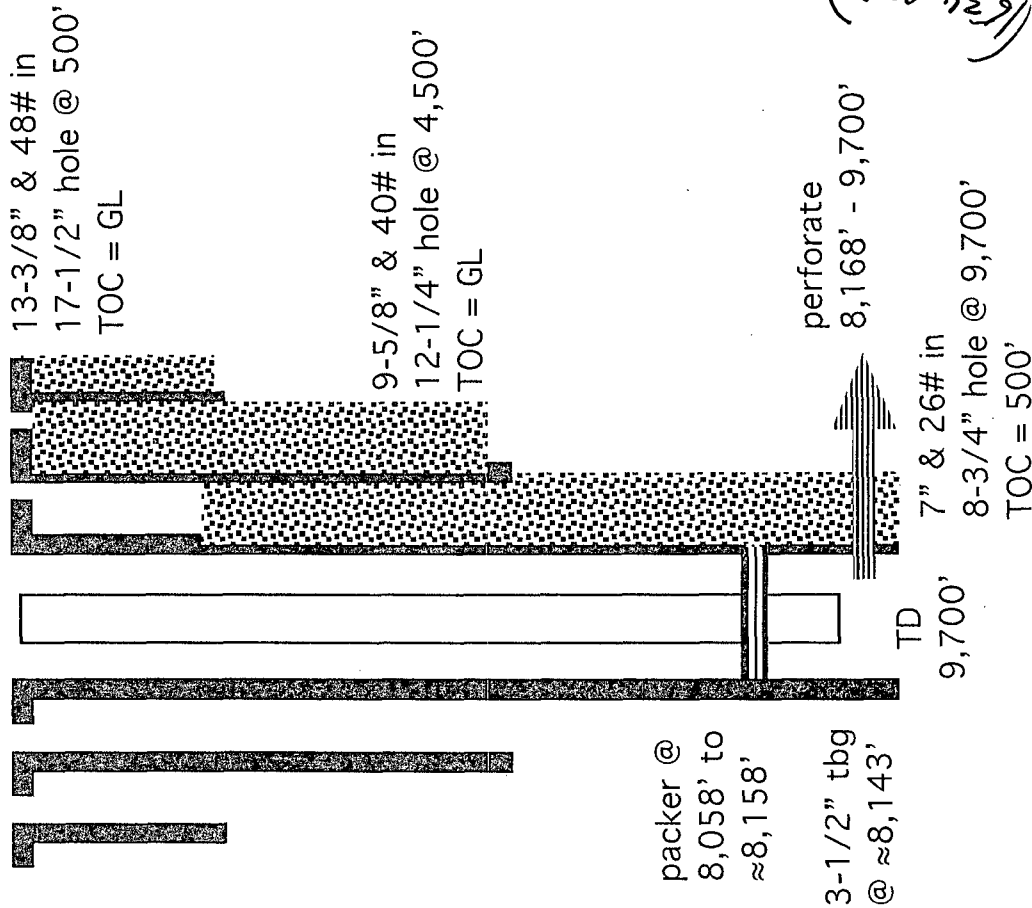
WELL NAME & NUMBER: APACHE STATE SWD #3

WELL LOCATION: 2300 FNL & 725 FWL

UNIT LETTER E SECTION 30 TOWNSHIP 17 S RANGE 31 E

WELLBORE SCHEMATIC

(not to scale)



WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17-1/2" Casing Size: 13-3/8"
 Cemented with: 540 sx. or 723 ft³
 Top of Cement: SURFACE Method Determined: VISUAL

Intermediate Casing

Hole Size: 12-1/4" Casing Size: 9-5/8"
 Cemented with: 1,240 sx. or 2,733 ft³
 Top of Cement: SURFACE Method Determined: VISUAL

Production Casing

Hole Size: 8-3/4" Casing Size: 7"
 Cemented with: 990 sx. or 1,784 ft³
 Top of Cement: 500' Method Determined: CBL

Total Depth: 9,700'

Injection Interval

8,168' feet to 9,700'

(Perforated or Open Hole; indicate which)

|||||

INJECTION WELL DATA SHEET

Tubing Size: 3-1/2" J-55 9.3# Lining Material: INTERNAL PLASTIC

Type of Packer: ARROW AS-1X

Packer Setting Depth: 8,058' - 8,158'

Other Type of Tubing/Casing Seal (if applicable): _____

Additional Data

1. Is this a new well drilled for injection? (DISPOSAL) XXX Yes No

If no, for what purpose was the well originally drilled? _____

2. Name of the Injection Formation: WOLFCAMP & CISCO

3. Name of Field or Pool (if applicable): SWD; WOLFCAMP-CISCO (POOL CODE 96136)

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. _____

NO

5. Give the name and depths of any oil or gas zones underlying or overlying the proposed injection zone in this area: _____

OVER: BONE SPRING (7,600'), ABO (6,950'), YESO (5,300'),

SAN ANDRES (3,206'), QUEEN (2,462'), & SEVEN RIVERS (1,593')

UNDER: STRAWN (10,470'), ATOKA (10,760'), & MORROW (11,120')

APACHE CORPORATION
APACHE STATE SWD #3
2300' FNL & 725' FWL SEC. 30, T. 17 S., R. 31 E.
EDDY COUNTY, NEW MEXICO

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I. Purpose is to drill a salt water disposal well. The well will dispose into the Wolfcamp and Cisco, which are part of the SWD; Wolfcamp-Cisco Pool (NMOCD pool code number 96136).

II. Operator: Apache Corporation (OGRID #873)
Operator phone number: (432) 818-1167
Operator address: 303 Veterans Air Park Lane, Suite 3000
Midland, TX 79705
Contact for Application: Brian Wood (Permits West, Inc.)
Phone: (505) 466-8120

III. A. (1) Lease: New Mexico State Land Office lease BO-3627-0046
Lease Size: 65.73 acres (see Exhibit A for C-102 and map)
Closest Lease Line: 340'
Lease Area: Lots 1 & 2 ($\approx$ W2NW4) Section 30, T. 17 S., R. 31 E.

A. (2) Surface casing (13-3/8", 48#, S T & C, H-40) will be set at $\approx$ 500' in a 17-1/2" hole. Cement will be circulated to the surface with $\approx$ 540 sacks Class C + 2% CaCl₂ mixed at 14.8 pounds per gallon and 1.34 cubic feet per sack. Calculated excess: >100%

Intermediate casing (~~9-5/8"~~, 40#, L T & C, J-55) will be set at $\approx$ 4,500' in a 12-1/4" hole. Cement will be circulated to the surface. Lead with $\approx$ 980 sacks Class C 50/50 poz with 10% gel + 5% salt + 0.25% R-38 mixed at 11.8 pounds per gallon and 2.45 cubic feet per sack. Tail with $\approx$ 260 sacks Class C 50/50 poz with 2% gel + 3% salt + 0.25% R-38 mixed at 14.2 pounds per gallon and 1.28 cubic feet per sack. Calculated excess: >90%

Production casing (GL - 7500': 7", 26#, L T & C, L-80 and 7500' - 9700': 7", 26#, L T & C, HCL-80) will be set at $\approx$ 9,700' (TD) in an 8-3/4" hole.

Long string will be cemented to $\approx 500'$ with a DV tool set at $\approx 7,000'$. Calculated excess: $>25\%$

Cement first stage long string with ≈ 450 sacks Class C 50/50 poz with 2% gel + 0.25% R-38 + 0.3% C-20 mixed at 14.2 pounds per gallon & 1.26 cubic feet per sack.

Cement second stage long string. Lead with ≈ 450 sacks Class C 50/50 poz with 10% gel + 5% salt + 0.25% R-38 + 0.2% FL-10 mixed at 11.8 pounds per gallon & 2.45 cubic feet per sack. Tail with ≈ 90 sacks Class C 50/50 poz with 2% gel = 3% salt + 0.25% R-38 mixed at 14.2 pounds per gallon and 1.28 cubic feet per sack.

Mechanical integrity of the casing will be assured by hydraulically pressure testing to ≈ 500 psi for 30 minutes.

- A. (3) Tubing will be 3-1/2", J-55, 9.3#, and internally plastic coated. Setting depth will be $\approx 8,143'$. (Disposal interval will be $\approx 8,168'$ to $\approx 9,700'$.)
- A. (4) An Arrow AS-1X packer will be set between 8,058' and 8,118' (50' to 100' above the highest proposed perforation of $\approx 8,168'$).
- B. (1) Injection zone will be the Wolfcamp and Cisco carbonates, which are part of the SWD; Wolfcamp-Cisco Pool (NMOCD pool code number 96136). Estimated fracture gradient is ≈ 0.75 psi per foot.
- B. (2) Injection interval will be $\approx 8,168'$ to $\approx 9,700'$. All of the well bore will be cased.
- B. (3) The well has not been spudded.
- B. (4) The well will be perforated from $\approx 8,168'$ to $\approx 9,700'$ with 2 shots per foot. Shot diameter = 0.40".

B. (5) The next higher potential oil or gas zone is the Bone Spring. Closest Bone Spring production is 9,174' south in 6-18s-31e in the Shugart; Bone Spring, North Pool (code = 56405) at a depth of 7,858' - 8,084' in the Neste Tomano Federal 2 (30-015-25948). Disposal will occur in the Wolfcamp and Cisco. Wolfcamp top is at $\approx 8,168'$. Disposal interval will be $\approx 8,168'$ to $\approx 9,700'$. Potential oil or gas zones above the Bone Spring (from deep to shallow) include the Abo, Yeso, San Andres, Queen, and Seven Rivers.

The next lower potential oil or gas zone is the Strawn. Closest Strawn production is 3,446' southwest in 25-17s-30e in the Cedar Lake; Strawn, north Pool (code = 96208) at a depth of 10,525' - 10,534' in the Laguna Cedro AOM Federal Com 1 (30-015-28171). Proposed total depth will be $\approx 9,700'$. Disposal interval will be $\approx 8,168'$ to $\approx 9,700'$. Potential oil or gas zones below the Strawn (from shallow to deep) include the Atoka, Morrow, and Devonian.

IV. This is not an expansion of an existing injection project. It is disposal only.

V. Exhibit B shows all 18 existing well bores (10 P & A wells + 6 oil wells + 1 gas well + 1 water injection well) within a half mile radius. Exhibit C shows all 402 existing wells (229 oil or gas wells + 100 P & A wells + 65 injection + 4 disposal wells + 3 plugged dry monitoring wells + 1 dry windmill) within a two mile radius.

Exhibits D and E shows all leases and lessors (all BLM or State) within a one half mile radius and two mile radius. Details on the leases within a half mile radius are:

<u>Area</u>	<u>Lessor</u>	<u>Lease Number</u>	<u>Lessee</u>
Lots 1 & 2 30-17s-31e	NMSLO	BO-3627-0046	ConocoPhillips & Chisos
Lots 3 & 4 19-17s-31e	NMSLO	BO-3627-0040	Chase Oil
E2NW4 30-17s-31e	BLM	NMLC-065015	Jack Plemons
NE4 30-17s-31e	BLM	NMLC-065014	BP
S2 30-17s-31e	BLM	NMLC-029395B	BP

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<u>Area</u>	<u>Lessor</u>	<u>Lease Number</u>	<u>Lessee</u>
E2SW4, SWSE, E2SE4 19-17s-31e	BLM	NMLC-031844	BP
SWSE & E2SE4 25-17s-30e	BLM	NMLC-061670	ConocoPhillips et al
N2 & NWSE 25-17s-30e	BLM	NMNM-002747	EOG et al
SWNW & S2 24-17s-30e	BLM	NMNM-002747	EOG et al

VI. There are 2 existing well bores (1 gas well + 1 plugged well) which are within a half mile and which penetrated the Wolfcamp or Cisco. A table abstracting the 2 wells' construction details and history is in Exhibit F. A schematic of the one plugged well is also included in Appendix F. The 18 wells (regardless of depth) which are within a half mile are:

<u>OPERATOR</u>	<u>WELL</u>	<u>API #</u> <u>30-015-</u>	<u>LOCATION</u>	<u>ZONE(S)</u>	<u>STATUS</u>	<u>TD</u>	<u>DISTANCE</u>
Mack	Cedar Lake 1	05460	1980 FN & 515 FW 30-17s-31e	Gray-Jack	P & A	3336	552'
Linn	Turner B 107	28895	2190 FS & 330 FW 30-17s-31e	Gray-Jack	Oil	4050	913'
Plemons	Friess Federal 4	05465	1650 FN & 1650 FW 30-17s-31e	Gray-Jack	P & A	3342	1044'
Linn	Turner B 108	28984	2190 FS & 1700 FW 30-17s-31e	Gray-Jack	Oil	3870	1081'
Plemons	Friess Federal 2	05466	1980 FN & 1980 FW 30-17s-31e	Gray-Jack	P & A	2100	1155'
ARCO	Turner B 57	05474	1980 FS & 1755 FW 30-17s-31e	Gray-Jack	P & A	3496	1268'
Mack	Cedar Lake 2	05464	660 FN & 515 FW 30-17s-31e	Gray-Jack	P & A	2044	1748'
Plemons	Friess Federal 1	05463	660 FN & 1980 FW 30-17s-31e	Gray-Jack	P & A	3202	2027'
Alamo	Cedar Lake 3Y	05477	330 FN & 731 FW 30-17s-31e	Gray-Jack	Oil	3423	2045'

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<u>OPERATOR</u>	<u>WELL</u>	<u>API #</u> 30-015-	<u>LOCATION</u>	<u>ZONE(S)</u>	<u>STATUS</u>	<u>TD</u>	<u>DISTANCE</u>
Plemons	Friess Federal 5	23934	330 FN & 1411 FW 30-17s-31e	Gray-Jack	P & A	2570	2102'
Devon	Max Friess 3	05470	1965 FN & 1995 FE 30-17s-31e	Gray-Jack	P & A	3451	2179'
Linn	Turner B 113	29573	1120 FS & 2230 FW 30-17s-31e	Gray-Jack	Oil	3835	2237'
ARCO	Turner B 77	05476	660 FS & 660 FW 30-17s-31e	Atoka & Cisco	P & A	11475	2263'
Oxy	Oxy Bodacious 1	33849	810 FS & 1860 FW 30-17s-31e	Morrow	Gas	11749	2316'
Plemons	Friess 3	05467	336 FN & 2970 FE 30-17s-31e	Gray-Jack	P & A	2033	2340'
Linn	Turner B 56	05473	1980 FS & 1980 FE 30-17s-31e	Gray-Jack	WIW	3527	2350'
Linn	Turner B 109	29571	480 FS & 330 FW 30-17s-31e	Gray-Jack	Oil	3870	2497'
Burnett	Jackson B 35	27750	100 FN & 460 FE 25-17-30e	Gray-Jack	Oil	3280	2499'
Linn	Max Friess 7	26883	2610 FN & 1460 FE 30-17s-31e	Gray-Jack	Oil	3740	2691'

- VII. 1. Average injection rate will be $\approx 15,000$ bwpd.
 Maximum injection rate will be $\approx 20,000$ bwpd.
2. System will be open and closed. Water will both be trucked and the well will be tied into a proposed Apache pipeline system.
3. Average injection pressure will be $\approx 1,000$ psi
 Maximum injection pressure will be $\approx 1,633$ psi ($= 0.2$ psi/foot $\times \approx 8,168'$ (highest perforation)).
4. The water to be disposed of will be produced water from Apache wells, mainly from the Yeso. Apache has 138 wells in T. 17 S., R. 30

& 31 E. and T. 18 S., R. 30 & 31 E. Of those 138 wells, 134 are Yeso wells. A summary of analyses from a Yeso well (10 miles west), three Wolfcamp wells (2 miles northeast, 6 miles northwest, and 7 miles east), and a Cisco well (14 miles northeast) is below. Except for the Wolfcamp well that is 2 miles northeast, the other samples are the closest wells in the WAIDS data base. If there are multiple samples, then the data below represents the average (all in mg/l). The abstracts are in Exhibit G. No compatibility problems have been reported from the closest operating (1.46 miles east) Wolfcamp disposal well (SWD-1118; 30-015-28142) into which 3,567,643 barrels were disposed in 2009-2010. No compatibility problems have been reported from from the closest (5.16 miles northeast) Cisco disposal well (SWD-1019; 30-015-31371) into which 3,581,868 barrels were disposed in 2007-2010.

	<u>Yeso</u>	<u>Wolfcamp</u>	<u>Cisco</u>
Barium	0.1136	0.647	
Bicarbonate	495.296	244.123	523.00
Calcium	2,979.73	4,512.786	1,948.00
Chloride	138,951.	45,378.1	26,414.00
Hydrogen Sulfide	6.816	27.502	
Iron	5.112	23.204	
Magnesium	679.328	744.828	435.00
Potassium	493.024	6,504.959	
Sodium	87,541.3	27,838.2	
Strontium	47.712	126.265	
Sulfate	4,749.62	1,136.712	974.00
Total Dissolved Solids	207,695.	73,466.75	45,004.50

5. Closest (4,479' northeast) Wolfcamp production is Apache's Junction Federal #1 (30-015-33533). It produced 619 barrels of oil from the Henshaw; Wolfcamp, SE in 2008-2010. Four Wolfcamp wells have been drilled within a 2 mile radius (Exhibit H). Cumulative production from 3 wells is 990 barrels of oil and 605 Mcf of gas. The fourth well is a Wolfcamp salt water disposal well.

Closest (4,246' west) Cisco production was Texaco's Loco 25 Federal

Com #1 (30-015-29476). It produced 1,529 barrels of oil in 1999, its only year of production from that zone. The well was plugged in 2000. Two Cisco wells have been drilled within a 2 mile radius (Exhibit H). Cumulative production from the 2 wells is 4,681 barrels of oil and 6,388 Mcf of gas.

VIII. The Wolfcamp ($\approx 838'$ thick) in this well is on the transition from the Delaware shelf to its basin. The Wolfcamp consists of limestone alternating with dolomite and shale. The latter two have little porosity and and confine the dolomite. The dolomite (diagenetically alternated carbonate) is the goal within the Wolfcamp. The Cisco ($\approx 693'$ thick) is mainly limestone with some dolomite intervals. Porosity as high as 20% has been reported.

Closest possible underground source of drinking water above the proposed disposal interval is the Quaternary deposit at the surface. No water wells are within a one mile radius (EXHIBIT I).

Four wells were drilled within a two mile radius (see EXHIBIT C map) for water. Only one of the four wells was intended to, and did, produce water. That well is a wood windmill $\approx 1\text{-}1/2$ miles west (just west of Cedar Lake). According to the grazing permittee (Kyle Williams of Williams & Son Cattle Company), it has been dry for over 30 years.

The other three wells (≥ 1.1 miles southeast in Section 32) were intended to determine depth to groundwater for a proposed, but not yet approved, landfill. The holes ranged in depth from 55' to 158'. No water was encountered and all three holes were plugged with grout. No underground source of drinking water is below the proposed disposal interval.

Anticipated formation tops are:

Quaternary = 0'
Rustler = 366'
Yates = 1,324'
Seven Rivers = 1,593'
Queen = 2,462'
Grayburg = 2,858'
San Andres = 3,206'
Glorieta = 4,900'

Yeso = 5,300'
Tubb = 6,700'
Abo = 6,950'
Bone Springs = 7,600'
Wolfcamp = 8,168'
Cisco = 9,007'
Total Depth: 9,700'

There are no water wells within a minimum 2,000 meter (= 6,560') radius according to State Engineer records (see Exhibit I). There will be >7,800' of vertical separation and the Rustler salt interval between the bottom of the only likely underground water source (Quaternary) and the top of the Wolfcamp.

Produced water has been injected or disposed into zones above (56 wells in the Grayburg-Jackson; Seven Rivers - Queen - Glorieta - San Andres, 1 well in the Yeso, and 2 wells in the Abo) and opposite (3 wells in the Wolfcamp) the proposed disposal interval via 62 wells within Section 30 and the bordering 8 sections. There is 1 disposal well deeper (Devonian) than the proposed disposal interval in the same 9 sections.

IX. The well will be stimulated with acid to clean out scale or fill.

X. Cement bond, spectral gamma ray, density, dual laterolog/MSFL, and neutron logs will be run.

XI. Based on a field inspection and a review of the State Engineer's records, there are no water wells within a one mile radius.

XII. Apache is not aware of any geologic or engineering data which may indicate the Wolfcamp or Cisco are in hydrologic connection with any underground sources of water. There are 26 Wolfcamp salt water disposal

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wells and 57 Wolfcamp water injection wells in New Mexico. There are 19 Cisco salt water disposal wells and 9 water injection wells in New Mexico.

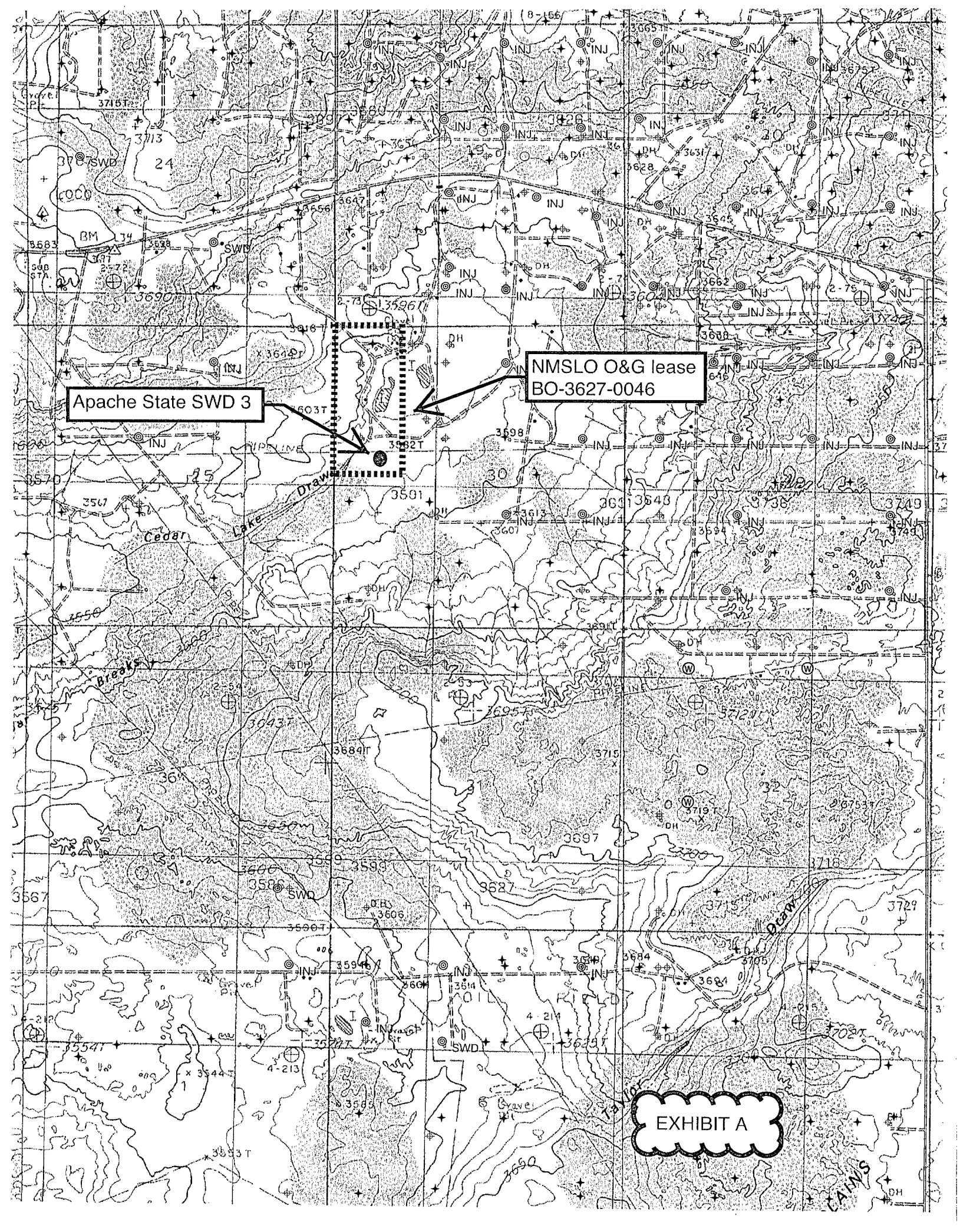
XIII. Notice (this application) has been sent (Exhibit J) to the surface owner (New Mexico State Land Office), all leasehold operators (ConocoPhillips, Chisos Ltd., Chase Oil, BP, Marbob Energy, Pitch Energy, Jack Plemons, Devon, Merit Energy, Jay Armstrong, Judah Oil, McCombs Energy, McInnes Resources, Paloma Resources, Larry Jones, Lothian Oil, Premier Oil & Gas, Edge Petroleum, Enervest, Ollie Burnett Trust, Pure Energy, R. F. Windfohr Trust, Anne Tandy Estate, Texas Reexploration, Texas Refining, Anne B. Windfohr, Yates Petroleum, Abo Petroleum, Burnett Oil Co., Chevron USA Holdings, Chevron USA Inc., EOG, MYCO, Anne Phillips Trust, Yates Drilling), and lessors (NM State Land Office, BLM) within a half mile.

A legal ad (see Exhibit K) was published on February 1, 2011.

Apache State SWD 3

NMSLO O&G lease
BO-3627-0046

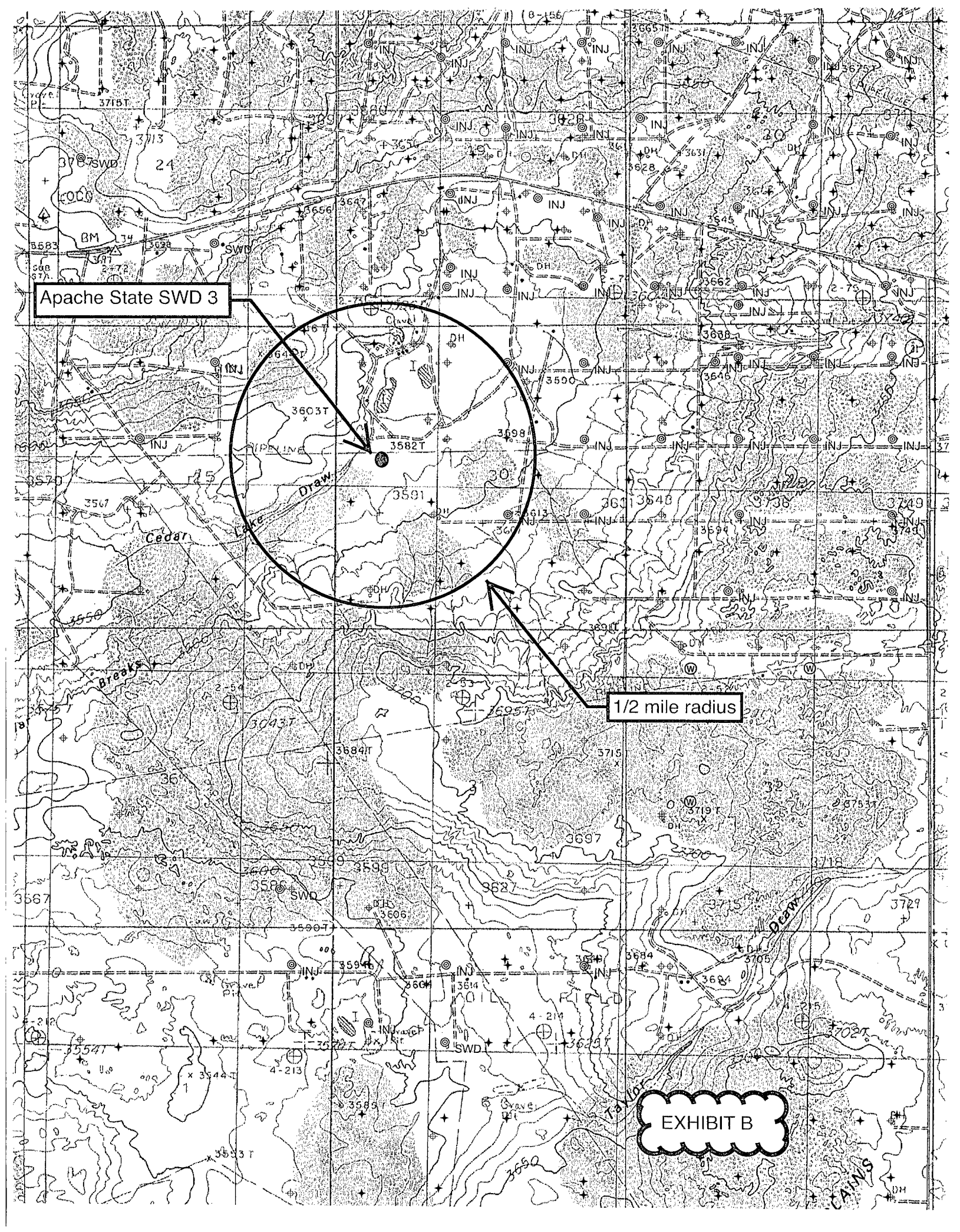
EXHIBIT A

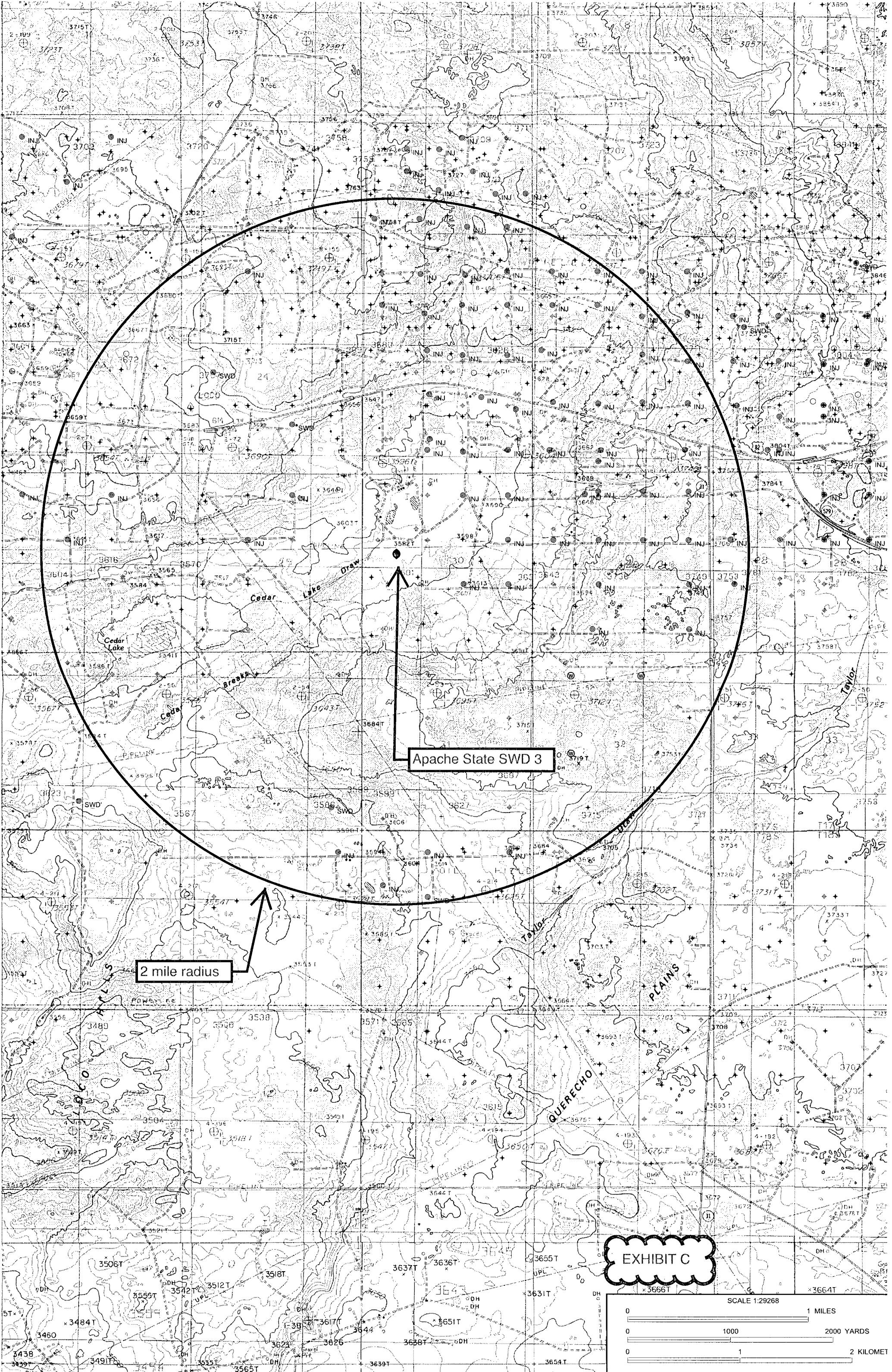


Apache State SWD 3

1/2 mile radius

EXHIBIT B

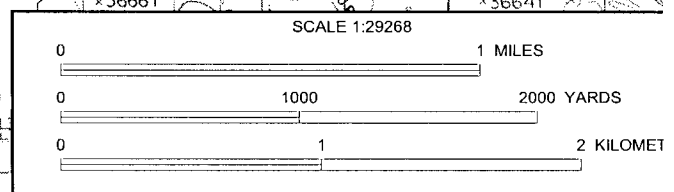




Apache State SWD 3

2 mile radius

EXHIBIT C



Apache State SWD 3
& NMSLO lease
BO-3627-0046

NMSLO lease
BO-3627-0040

BLM lease
NMLC-031844

BLM lease
NMLC-065014

BLM lease
NMLC-029395B

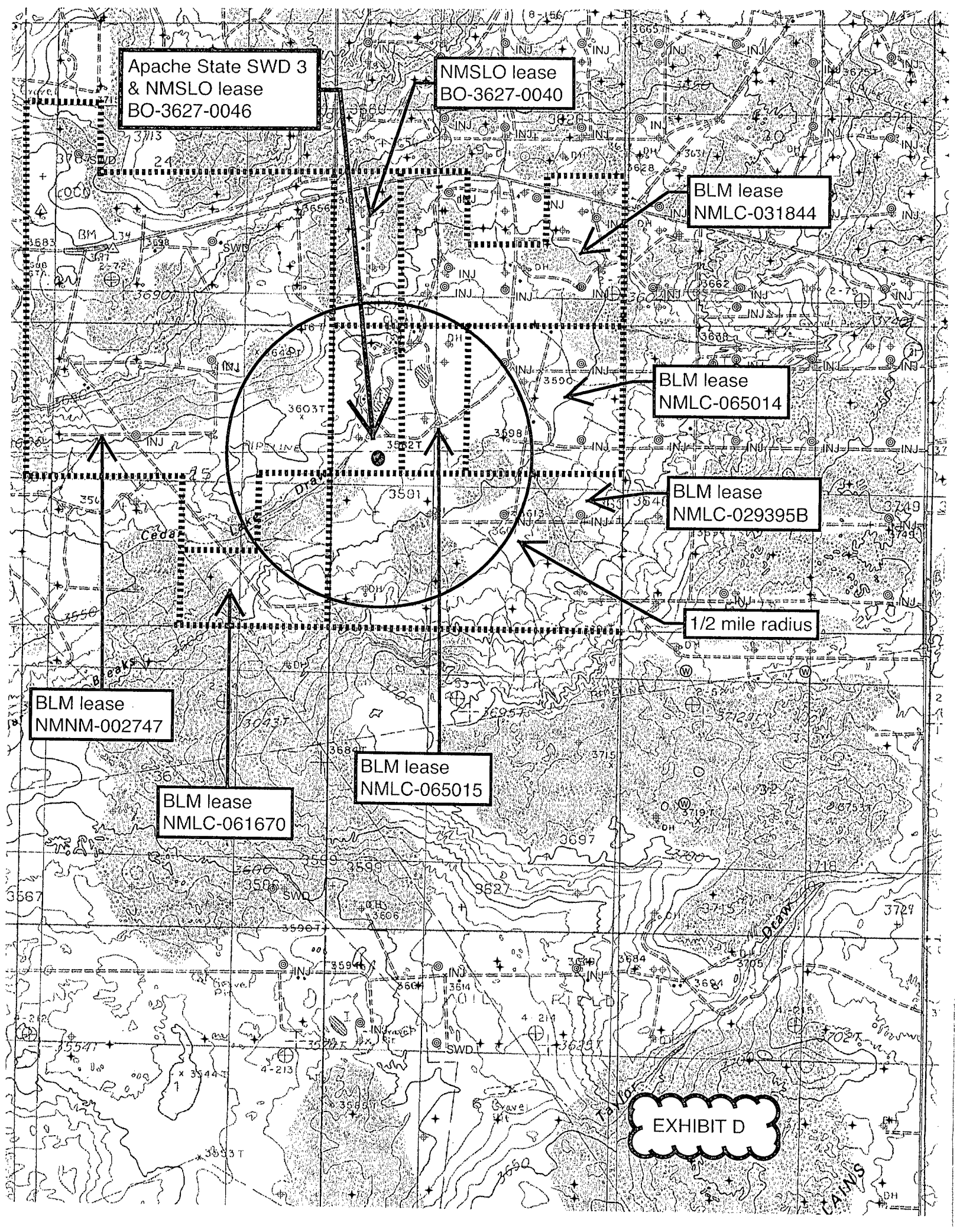
1/2 mile radius

BLM lease
NMNM-002747

BLM lease
NMLC-061670

BLM lease
NMLC-065015

EXHIBIT D



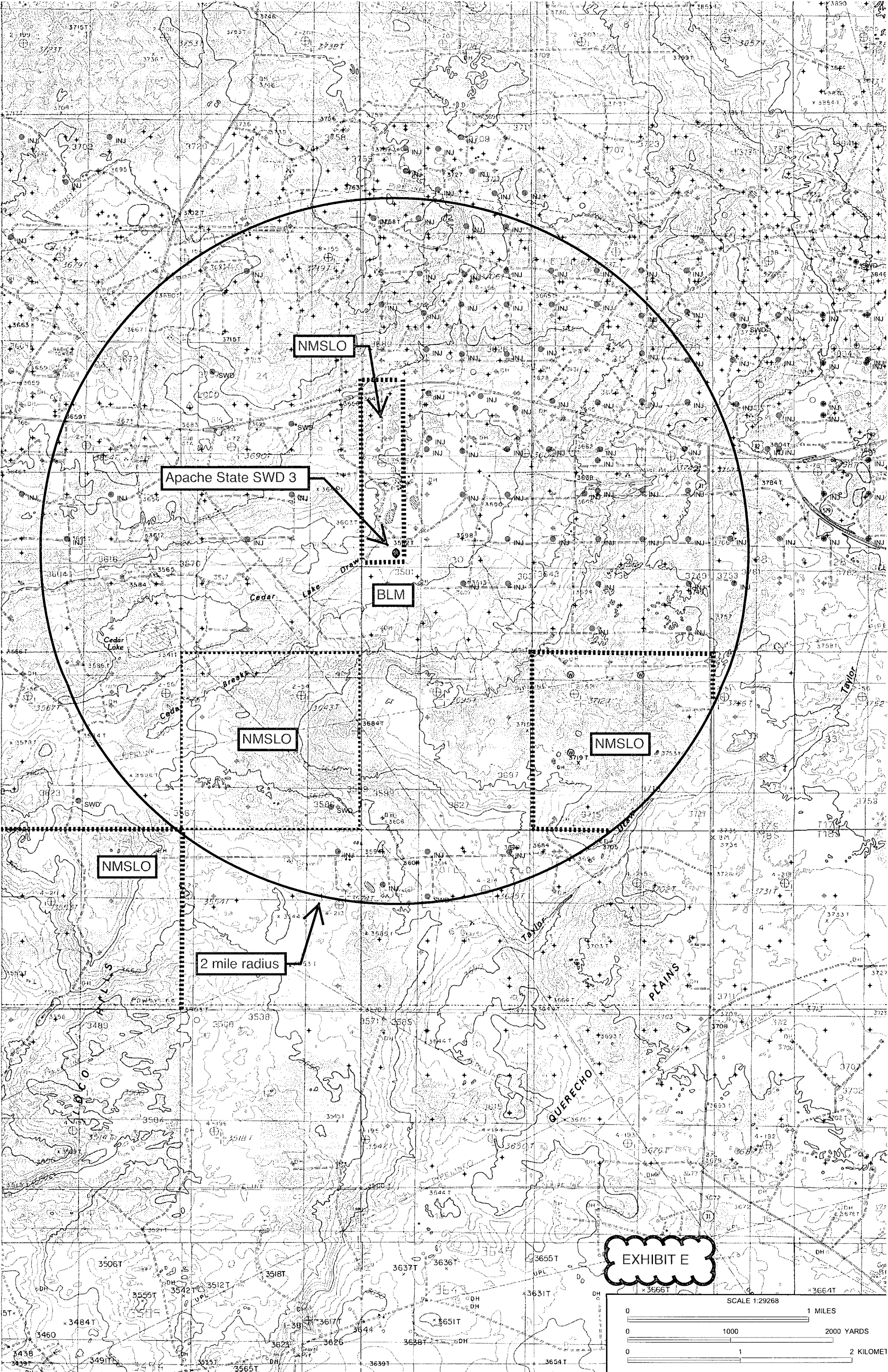


EXHIBIT E

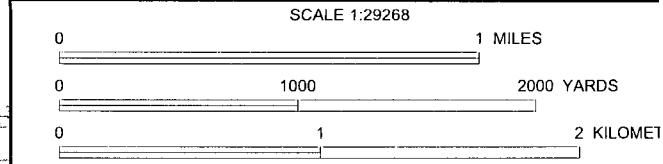
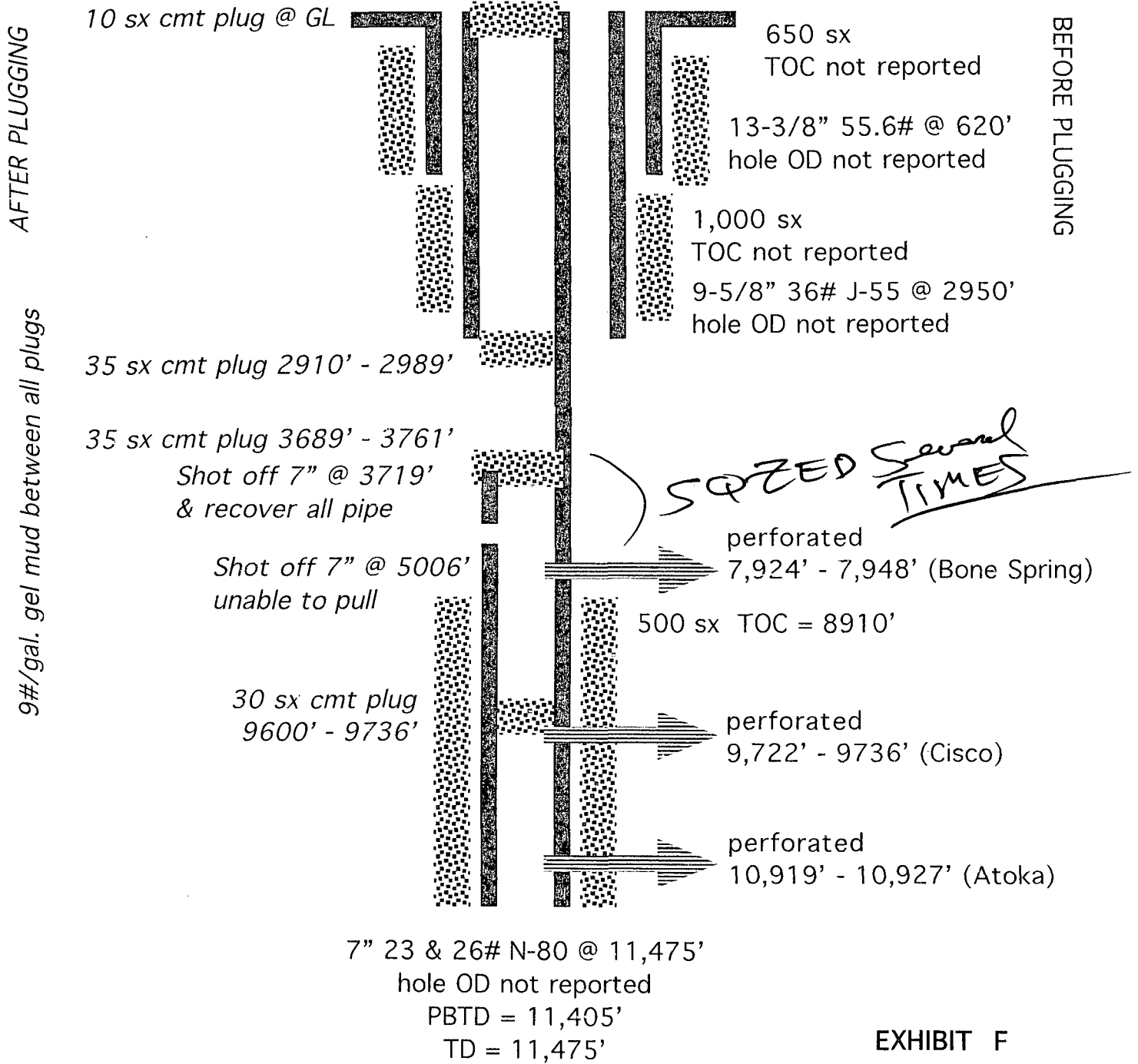


EXHIBIT F

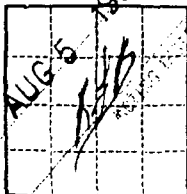
[illegible]

Odessa's
 ARCO's Turner B 77
 API 30-015-05476
 660' FSL & 660' FWL 30-17s-31e
 Spud 4-1-61 (oil well) and Plug 10-1-71 (oil well)



(not to scale)

EXHIBIT F



(SUBMIT IN TRIPLICATE)

 UNITED STATES
 DEPARTMENT OF THE INTERIOR
 GEOLOGICAL SURVEY

 Land Office Las Cruces
 Lease No. 050779(h)
 Unit Turner #2 3P

RECEIVED

AUG 7 1963

SUNDRY NOTICES AND REPORTS ON WELLS

NOTICE OF INTENTION TO DRILL.....	SUBSEQUENT REPORT OF WATER SHUT-OFF.....
NOTICE OF INTENTION TO CHANGE PLANS.....	SUBSEQUENT REPORT OF SHOOTING OR ACIDIZING.....
NOTICE OF INTENTION TO TEST WATER SHUT-OFF.....	SUBSEQUENT REPORT OF ALTERING CASING.....
NOTICE OF INTENTION TO RE-DRILL OR REPAIR WELL.....	SUBSEQUENT REPORT OF RE-DRILLING OR REPAIR.....
NOTICE OF INTENTION TO SHOOT OR ACIDIZE.....	SUBSEQUENT REPORT OF ABANDONMENT.....
NOTICE OF INTENTION TO PULL OR ALTER CASING.....	SUPPLEMENTARY WELL HISTORY.....
NOTICE OF INTENTION TO ABANDON WELL.....	

(INDICATE ABOVE BY CHECK MARK NATURE OF REPORT, NOTICE, OR OTHER DATA)

Brewer, New Mexico, July 11, 1963

Well No. 77 is located 649 ft. from S line and 649 ft. from W line of sec. 30

SW 1/4 Sec. 30 (Lot 4) 17-5 32E R2N
 (1/4 Sec. and Sec. No.) (Twp.) (Range) (Meridian)
Undersigned New Mexico
 (Field) (County or Subdivision) (State or Territory)

The elevation of the derrick floor above sea level is 3450 ft.

DETAILS OF WORK

(State names of and expected depths to objective sands; show sizes, weights, and lengths of proposed casings; indicate mudding jobs, cementing points, and all other important proposed work)

WELL 11404- 7" CD Casing : 11473' - Top cement behind 7" = 5910'
11404- Perforations 10719-27 open- Set Bridge Plug @ 11043 w/ 4 Shk. cement on Top.
 Top Cement 11482' - Set 6" Bridge Plug @ 10400' Run Tag. & Squashed at 2nd Port
 10719-27 w/ 200 Shk. Rev. and 30 Shk. Run, Press. 10000' - Run Gamma Ray Collar
 Log- Port. 4 holes @ 8224' Set Retainer @ 8000' & Squashed thru Port. 6004' w/
 820 Shk. @ 7999' - Port. 4 holes @ 7930' Set Retainer @ 7790' & Squashed w/
 200 Shk. @ 6000' - Drilled Cement & Retainer to 6000' Tested w/ 12000' Pump Press.
 30 Min. hold OK.
**WELL 11405- Perforated 2/ 7924-22; 7930-48 w/ 2-1/2" holes per Ft. Set 2" Tag. w/
 Packers @ 7924' - Jammed dry- Acidized w/ 500 Gal. HCl Press. 11000' Min. 10000'
 Curb Load & Acid Water - Reacted Packoff @ 7924' - Shut 10 Hrs. 6500' Min. no oil or
 gas- Acidized w/ 2000 Gal. HCl, Press. 9000' Min. 9000' - Shut 10 Hrs. & acid
 Water- no show oil or gas (even)**

I understand that this plan of work must receive approval in writing by the Geological Survey before operations may be commenced.

Company Simulator Oil & Gas Co.,Address 520 E. Broadway, Santa Fe, N.M.

By _____

Title Dist. Supt.

CONTINUED:

Set GI Retainer @ 7826' Squashed Bone Spring Perf. 1/ 7721-28, 7730-48 w/
200 Shs. Max. Press. 6300# @ 6:30 PM 7/17/63.

7/18 400 - Drilled Cement & Retainer @ 8220' Tapped Perf. w/ 2000# Pump Press.
30 Min. Hold OK - Drilled cement & Retainer @ to 10200'

~~CINCO GARDENS~~ - Jet Perforated from 9722-36 w/ 28-1/2" holes - Ran 2 3/8" ID tubing to
9725' w/ Parker @ 9700' - Swabbed Lead and 12 Shl. new oil in 6 hours.
Acidized w/ 500 Gal. Max. Press. 3900# no break in Press. Inj. rate 1/2BPM.
Swabbed Lead, plus 51 Shl. new oil & 26 Shl. Foam. water 6 hours.
No-acidized w/ 1500 Gal. Max. Press. 3900# Min. 2600# Inj. rate 3.3BPM,
Swabbed lead plus 30 Shl. oil 17 hrs.

7/30 Install Pumping Unit & Equipment - on Rt. 20. Potential Test Pumped 50 Shl. new
39 Cnty Oil plus 6 Shl. Foam. water, CCH 1100 - Accomplished in Clear thru
Perf. 1/ 9722-36 after Plugging back and testing the Kurey, Atcha and Bone
Spring Formations.

NEW MEXICO OIL CONSERVATION COMMISSION

Artesia, New Mexico

November 1, 1963

Sinclair Oil & Gas Company
520 East Broadway
Hobbs, New Mexico

Re: Commission Order R 2578

Gentlemen:

As the result of the above referenced Commission order the following well(s) currently appearing in the Undesignated Section of the Proration Schedule will be listed in the following described pool(s) effective December, 1963.

Cedar Lake-Cisco

Turner B SP, #77 M, 30-17-31

Please file Form C-110 for each listed well with this office showing the change in pool designation.

Very truly yours,

OIL CONSERVATION COMMISSION

M. L. Armstrong
Supervisor, District No. 2

MLA/uh

NM WAIDS

DATA

MAPS

HOME

SCALE

CORROSION

General Information About: Sample 6073			
WHITE STAR FEDERAL 014			
API	3001530931	Sample Number	
Unit/Section/ Township/Range	A / 29 / 17 S / 29 E	Field	EMPIRE EAST
County	Eddy	Formation	YESO
State	NM	Depth	
Lat/Long	32.81153 / -104.09097	Sample Source	
TDS (mg/L)	207695	Water Type	
Sample Date(MM/DD/YYYY)	5/18/2000	Analysis Date(MM/DD/YYYY)	5/26/2000
Remarks/Description			
Cation Information (mg/L)		Anion Information (mg/L)	
Potassium (K)	493.024	Sulfate (SO)	4749.62
Sodium (Na)	87541.3	Chloride (Cl)	138951
Calcium (Ca)	2979.73	Carbonate (CO ₃)	0
Magnesium (Mg)	679.328	Bicarbonate (HCO ₃)	495.296
Barium (Ba)	0.1136	Hydroxide (OH)	
Manganese (Mn)		Hydrogen Sulfide (H ₂ S)	6.816
Strontium (Sr)	47.712	Carbon Dioxide (CO ₂)	
Iron (Fe)	5.112	Oxygen (O)	



EXHIBIT G



CARDINAL LABORATORIES

30-015-32895
990 FNL & 990 FWL 21-17s-31e
2.34 mi. NE of Apache State SWD 3

Wolfcamp

PHONE (325) 873-7001 • 2111 BEECHWOOD • ABILENE, TX 79603

PHONE (505) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

ANALYTICAL RESULTS FOR
CHEVRON TEXACO
ATTN: DENISE WANN
15 SMITH RD.
MIDLAND, TX 79705
FAX TO: (432) 887-7871

*Injection zone water
Analyses*

Receiving Date: 10/07/04
Reporting Date: 10/08/04
Project Number: NOT GIVEN
Project Name: NOT GIVEN
Project Location: SKELLY UNIT #952

Sampling Date: NOT GIVEN
Sample Type: WATER
Sample Condition: COOL & INTACT
Sample Received By: AH
Analyzed By: AH

also ~ 3 BWPD as produced water

LAB NUMBER	SAMPLE ID	Na (mg/L)	Ca (mg/L)	Mg (mg/L)	K (mg/L)	Conductivity (mS/cm)	T-Alkalinity (mgCaCO ₃ /L)
------------	-----------	--------------	--------------	--------------	-------------	-------------------------	--

ANALYSIS DATE:	10/07/04	10/07/04	10/07/04	10/07/04	10/07/04	10/07/04
H9215-1	4049	257	87	18256	62381	214
Quality Control	NR	40	52	4.87	1322	NR
True Value QC	NR	50	50	5.00	1413	NR
% Recovery	NR	80.0	104	97.4	93.6	NR
Relative Percent Difference	NR	2.0	6.0	5.8	0.8	NR

METHODS: SM3500-Ca-D 3500-Mg E 8049 120.1 310.1

Cl ⁻ (mg/L)	SO ₄ (mg/L)	CO ₃ (mg/L)	HCO ₃ (mg/L)	pH (s.u.)	TDS (mg/L)
---------------------------	---------------------------	---------------------------	----------------------------	--------------	---------------

ANALYSIS DATE:	10/07/04	10/07/04	10/07/04	10/07/04	10/07/04	10/08/04
H9215-1	22893	527	0	261	7.45	47600
Quality Control	1050	50.88	NR	976	6.95	NR
True Value QC	1000	50.00	NR	1000	7.00	NR
% Recovery	105	102	NR	97.6	99.3	NR
Relative Percent Difference	2.9	1.2	NR	2.2	0.1	1.4

METHODS: SM4600-Cl-B 375.4 310.1 310.1 150.1 160.1

Amy Hill
Chemist

10/8/04
Date

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising, whether based in contract or tort, shall be limited to the amount paid by client for analyses. All claims, including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within thirty (30) days after completion of the applicable service. Cardinal shall be liable for incidental or consequential damages, including, without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above-stated reasons or otherwise.

NM WAIDS

DATA

MAPS

HOME

SCALE

CORROSION

General Information About: Sample 3509

ELVIS 002 ←

7.53 miles ENE from
Apache State SWD 3

API	3002533854	Sample Number	
Unit/Section/ Township/Range	O / 17 / 17 S / 32 E	Field	
County	Lea	Formation	WOLF
State	NM	Depth	
Lat/Long	32.82945 / -103.78728	Sample Source	
TDS (mg/L)	120258	Water Type	
Sample Date(MM/DD/YYYY)	1/25/2000	Analysis Date(MM/DD/YYYY)	2/9/2000
Remarks/Description			
Cation Information (mg/L)		Anion Information (mg/L)	
Potassium (K)	307.004	Sulfate (SO)	1368.55
Sodium (Na)	44579.4	Chloride (Cl)	78216.8
Calcium (Ca)	4415.89	Carbonate (CO ₃)	0
Magnesium (Mg)	817.236	Bicarbonate (HCO ₃)	172.96
Barium (Ba)	0.2162	Hydroxide (OH)	
Manganese (Mn)		Hydrogen Sulfide (H ₂ S)	9.729
Strontium (Sr)	100.533	Carbon Dioxide (CO ₂)	
Iron (Fe)	19.458	Oxygen (O)	



EXHIBIT G

NM WAIDS

DATA

MAPS

HOME

SCALE

CORROSION

General Information About: Sample 3281

ELVIS 002

7.53 miles ENE from
Apache State SWD 3

API	3002533854	Sample Number	
Unit/Section/ Township/Range	O / 17 / 17 S / 32 E	Field	
County	Lea	Formation	WOLF
State	NM	Depth	
Lat/Long	32.82945 / -103.78728	Sample Source	
TDS (mg/L)	112298	Water Type	
Sample Date(MM/DD/YYYY)	1/5/2000	Analysis Date(MM/DD/YYYY)	1/19/2000
Remarks/Description			
Cation Information (mg/L)		Anion Information (mg/L)	
Potassium (K)	951.874	Sulfate (SO)	1151.3
Sodium (Na)	34886.2	Chloride (Cl)	73312.6
Calcium (Ca)	8865.47	Carbonate (CO ₃)	0
Magnesium (Mg)	1330.25	Bicarbonate (HCO ₃)	380.534
Barium (Ba)	1.078	Hydroxide (OH)	
Manganese (Mn)		Hydrogen Sulfide (H ₂ S)	45.276
Strontium (Sr)	151.998	Carbon Dioxide (CO ₂)	
Iron (Fe)	26.95	Oxygen (O)	0



EXHIBIT G

NM WAIDS

DATA

MAPS

HOME

SCALE

CORROSION

General Information About: Sample 5243

SQUARE LAKE DEEP UNIT 001

6.33 miles NW from
Apache State SWD 3

API	3001503979	Sample Number	
Unit/Section/ Township/Range	J / 33 / 16 S / 30 E	Field	
County	Eddy	Formation	WOLF
State	NM	Depth	
Lat/Long	32.87982 / -103.97885	Sample Source	DST
TDS (mg/L)	13711	Water Type	
Sample Date(MM/DD/YYYY)		Analysis Date(MM/DD/YYYY)	
Remarks/Description			
Cation Information (mg/L)		Anion Information (mg/L)	
Potassium (K)		Sulfate (SO)	1500
Sodium (Na)		Chloride (Cl)	6990
Calcium (Ca)		Carbonate (CO ₃)	
Magnesium (Mg)		Bicarbonate (HCO ₃)	162
Barium (Ba)		Hydroxide (OH)	
Manganese (Mn)		Hydrogen Sulfide (H ₂ S)	
Strontium (Sr)		Carbon Dioxide (CO ₂)	
Iron (Fe)		Oxygen (O)	



EXHIBIT G

NM WAIDS

DATA

MAPS

HOME

SCALE

CORROSION

General Information About: Sample 2369

LEA CR STATE NCT-A 002

14.5 miles NE of
Apache State SWD 3

API	3002500372	Sample Number	
Unit/Section/ Township/Range	15 / 02 / 16 S / 32 E	Field	ANDERSON RANCH NORTH
County	Lea	Formation	CIS
State	NM	Depth	
Lat/Long	32.95215 / -103.73421	Sample Source	SEPARATOR
TDS (mg/L)	45000	Water Type	
Sample Date(MM/DD/YYYY)		Analysis Date(MM/DD/YYYY)	
Remarks/Description			
Cation Information (mg/L)		Anion Information (mg/L)	
Potassium (K)		Sulfate (SO)	974
Sodium (Na)		Chloride (Cl)	26410
Calcium (Ca)		Carbonate (CO ₃)	
Magnesium (Mg)		Bicarbonate (HCO ₃)	523
Barium (Ba)		Hydroxide (OH)	
Manganese (Mn)		Hydrogen Sulfide (H ₂ S)	
Strontium (Sr)		Carbon Dioxide (CO ₂)	
Iron (Fe)		Oxygen (O)	



EXHIBIT G

NM WAIDS

DATA

MAPS

HOME

SCALE

CORROSION

General Information About: Sample 7455

LEA CR STATE NCT-A 002

14.5 miles NE of
Apache State SWD 3

API	3002500372	Sample Number	
Unit/Section/ Township/Range	15 / 02 / 16 S / 32 E	Field	ANDERSON RANCH NORTH
County	Lea	Formation	CIS
State	NM	Depth	13363
Lat/Long	32.95215 / -103.73421	Sample Source	Seperator
TDS (mg/L)	45009	Water Type	
Sample Date(MM/DD/YYYY)		Analysis Date(MM/DD/YYYY)	
Remarks/Description			
Cation Information (mg/L)		Anion Information (mg/L)	
Potassium (K)		Sulfate (SO)	974
Sodium (Na)		Chloride (Cl)	26418
Calcium (Ca)	1948	Carbonate (CO ₃)	
Magnesium (Mg)	435	Bicarbonate (HCO ₃)	523
Barium (Ba)		Hydroxide (OH)	
Manganese (Mn)		Hydrogen Sulfide (H ₂ S)	
Strontium (Sr)		Carbon Dioxide (CO ₂)	
Iron (Fe)		Oxygen (O)	



EXHIBIT G

Wolfcamp wells in NMOCD data base within 2 miles

OPERATOR	WELL	30-015-	LOCATION	TD	STATUS	DISTANCE	POOL	COMMENT
Apache	Junction Federal 1	33533	K-19-17s-31e	11420'	gas	4,479'	Henshaw; Wolfcamp (& Cedar Lake; Morrow, North and Fren; Cisco- Canyon)	619 barrels oil & 605 Mcf 2008-2010 from Wolfcamp
Apache	Straight Line Federal 1	34087	I-19-17s-31e	11520'	gas	5,040'	Henshaw; Wolfcamp, SE (& Cedar Lake; Glorieta-Yeso and Cedar Lake; Morrow, North)	346 barrels oil & zero gas 2007-2010 from Wolfcamp
Apache	Tony Federal 29	32463	H-19-17s-31e	11760'	gas	6,546'	Henshaw; Wolfcamp, SE (& Cedar Lake; Glorieta-Yeso and Cedar Lake; Morrow, North)	July 26, 2005 completion report shows 25 barrels & zero gas. September 20, 2005 completion report shows well was plugged back as Yeso producer. No Wolfcamp production in ONGARD.
COG	Biscuit Hills SWD 1	28142	P-29-17s-31e	11857'	SWD	7,684'	SWD; Wolfcamp	initially Cedar Lake; Morrow, East gas well



Cisco wells in NMOCD data base within 2 miles

[illegible]

EXHIBIT H



New Mexico Office of the State Engineer

Point of Diversion by Location

(with Owner Information)

UTMNA83 Radius Search (in meters):

Easting (X): 601629

Northing (Y): 3630345.21

No PODs found.

Radius: 2000

Apache State SWD 3



The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

1/19/11 7:58 PM

Page 1 of 1

POINT OF DIVERSION BY LOCATION



PROVIDING PERMITS for LAND USERS
37Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

March 28, 2011

Nick Jaramillo
New Mexico State Land Office
P. O. Box 1148
Santa Fe, NM 87504-1148

Dear Nick,

Apache Corporation is applying (see attached application) to drill its proposed Apache State SWD #3 well as a water disposal well. As required by NM Oil Conservation Division Rules, I am notifying you of the following proposed salt water disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Apache State SWD #3 (state lease) ID = 9,700'
Proposed Injection Zone: Wolfcamp & Cisco (from 8,168' to 9,700')
Location: 2300' FNL & 725' FWL Sec. 30, T. 17 S., R. 31 E., Eddy County, NM
Approximate Location: ~3-3/4 air miles southeast of Loco Hills, NM
Applicant Name: Apache Corporation (432) 818-1167
Applicant's Address: 303 Veterans Airpark Lane, #3000, Midland, TX 79705

Submittal Information: Application for a salt water disposal well will be filed with the NM Oil Conservation Division (NMOCD). If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

We will file for a SWD easement as soon as we receive the plats.

questions.

Sincerely,

Brian Wood

Brian Wood

EXHIBIT J

USPS® Postal Service CERTIFIED MAIL® RECEIPT (Domestic Mail Only - Postage Insurance Coverage Provided)	
OFFICIAL USE	
Postage \$ 1.39	Postmark Here
Certified Fee 2.80	Return Receipt Fee (Endorsement Required) 2.30
Restricted Delivery Fee (Endorsement Required) \$ 6.49	
Total Postage & Fees \$ 10.98	
Sent to: 510	
Street, Apt. No., or PO Box No.	
City, State, ZIP+4	



PROVIDING PERMITS for LAND USERS
37Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

March 28, 2011

Tom Scarborough
ConocoPhillips Company
P. O. Box 2197
Houston, TX 77252

Dear Mr. Scarborough:

Apache Corporation is applying (see attached application) to drill its proposed Apache State SWD #3 well as a water disposal well. As required by NM Oil Conservation Division Rules, I am notifying you of the following proposed salt water disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Apache State SWD #3 (state lease) ID = 9,700'
Proposed Injection Zone: Wolfcamp & Cisco (from 8,168' to 9,700')
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Approximate Location: ~3-3/4 air miles southeast of Loco Hills, NM
Applicant Name: Apache Corporation (432) 818-1167
Applicant's Address: 303 Veterans Airpark Lane, #3000, Midland, TX 79705

Submittal Information: Application for a salt water disposal well will be filed with the NM Oil Conservation Division (NMOCD). If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

USPS® Postal Service CERTIFIED MAIL® RECEIPT (Domestic Mail Only - Postage Insurance Coverage Provided)	
OFFICIAL USE	
Postage \$ 1.56	Postmark Here
Certified Fee 2.80	Return Receipt Fee (Endorsement Required) 2.30
Restricted Delivery Fee (Endorsement Required) \$ 6.86	
Total Postage & Fees \$ 11.52	
Sent to: ConocoPhillips	
Street, Apt. No., or PO Box No.	
City, State, ZIP+4	

Sincerely,

Brian Wood

Brian Wood



March 28, 2011

Chisos Ltd.
670 Dona Ana Road SW
Deming, NM 88030

Apache Corporation is applying (see attached application) to drill its proposed Apache State SWD #3 well as a water disposal well. As required by NM Oil Conservation Division Rules, I am notifying you of the following proposed salt water disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

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Proposed Injection Zone: Wolfcamp & Cisco (from 8,168' to 9,700')
Location: 2300' FNL & 725' FWL Sec. 30, T. 17 S., R. 31 E., Eddy County, NM
Approximate Location: ~3-3/4 air miles southeast of Loco Hills, NM
Applicant Name: Apache Corporation (432) 818-1167
Applicant's Address: 303 Veterans Airpark Lane, #3000, Midland, TX 79705

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Please call me if you have any questions.

Sincerely,

Brian Wood
Brian Wood

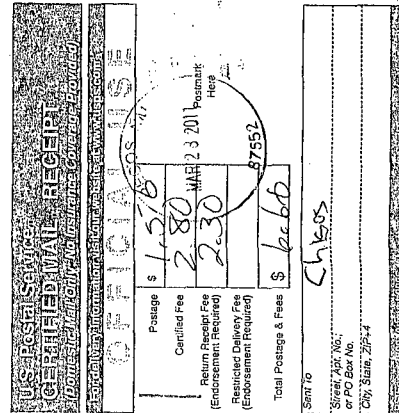


EXHIBIT J



March 28, 2011

Chase Oil Corporation
P. O. Box 1787
Artesia, NM 88211-1767

Apache Corporation is applying (see attached application) to drill its proposed Apache State SWD #3 well as a water disposal well. As required by NM Oil Conservation Division Rules, I am notifying you of the following proposed salt water disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

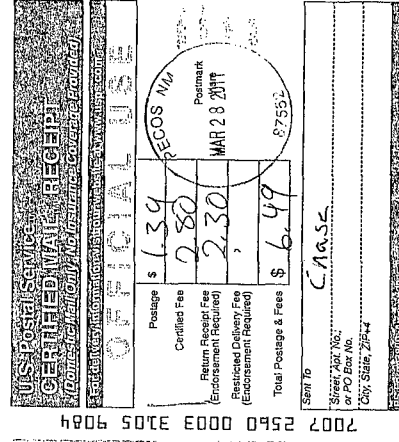
Well Name: Apache State SWD #3 (state lease) ID = 9,700'
Proposed Injection Zone: Wolfcamp & Cisco (from 8,168' to 9,700')
Location: 2300' FNL & 725' FWL Sec. 30, T. 17 S., R. 31 E., Eddy County, NM
Approximate Location: ~3-3/4 air miles southeast of Loco Hills, NM
Applicant Name: Apache Corporation (432) 818-1167
Applicant's Address: 303 Veterans Airpark Lane, #3000, Midland, TX 79705

Submittal Information: Application for a salt water disposal well will be filed with the NM Oil Conservation Division (NMOCD). If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood
Brian Wood





March 28, 2011

BP America Production Co.
P. O. Box 3092
Houston, TX 77253-3092

Apache Corporation is applying (see attached application) to drill its proposed Apache State SWD #3 well as a water disposal well. As required by NM Oil Conservation Division Rules, I am notifying you of the following proposed salt water disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Apache State SWD #3 (state lease) ID = 9,700'
Proposed Injection Zone: Wolfcamp & Cisco (from 8,168' to 9,700')
Location: 2300' FNL & 725' FWL Sec. 30, T. 17 S., R. 31 E., Eddy County, NM
Approximate Location: ≈3-3/4 air miles southeast of Loco Hills, NM
Applicant Name: Apache Corporation (432) 818-1167
Applicant's Address: 303 Veterans Airpark Lane, #3000, Midland, TX 79705

Submittal Information: Application for a salt water disposal well will be filed with the NM Oil Conservation Division (NMOCD). If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood
Brian Wood

US Postal Service
CERTIFIED MAIL - RECEIPT
(Domestic Mail Only - No Insurance Coverage Provided)

Postage \$
Certified Fee
Return Receipt Fee (Endorsement Required)
Restricted Delivery Fee (Endorsement Required)
Total Postage & Fees \$ 6.49

Postmark
MAR 23 2011

7552

Sent to
"Street" Add. No.
or PO Box No.
City, State, ZIP+4

BP

EXHIBIT J



March 28, 2011

Marbob Energy Corp.
P. O. Box 227
Artesia, NM 88211-0227

Apache Corporation is applying (see attached application) to drill its proposed Apache State SWD #3 well as a water disposal well. As required by NM Oil Conservation Division Rules, I am notifying you of the following proposed salt water disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Apache State SWD #3 (state lease) ID = 9,700'
Proposed Injection Zone: Wolfcamp & Cisco (from 8,168' to 9,700')
Location: 2300' FNL & 725' FWL Sec. 30, T. 17 S., R. 31 E., Eddy County, NM
Approximate Location: ≈3-3/4 air miles southeast of Loco Hills, NM
Applicant Name: Apache Corporation (432) 818-1167
Applicant's Address: 303 Veterans Airpark Lane, #3000, Midland, TX 79705

Submittal Information: Application for a salt water disposal well will be filed with the NM Oil Conservation Division (NMOCD). If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood
Brian Wood

US Postal Service
CERTIFIED MAIL - RECEIPT
(Domestic Mail Only - No Insurance Coverage Provided)

Postage \$
Certified Fee
Return Receipt Fee (Endorsement Required)
Restricted Delivery Fee (Endorsement Required)
Total Postage & Fees \$ 6.49

Postmark
MAR 23 2011

7552

Sent to
"Street" Add. No.
or PO Box No.
City, State, ZIP+4

Marbob

March 28, 2011

Pitch Energy Corp.
P. O. Box 304
Artesia, NM 88211-0304

Apache Corporation is applying (see attached application) to drill its proposed Apache State SWD #3 well as a water disposal well. As required by NM Oil Conservation Division Rules, I am notifying you of the following proposed salt water disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Apache State SWD #3 (state lease) ID = 9,700'
Proposed Injection Zone: Wolfcamp & Cisco (from 8,168' to 9,700')
Location: 2300' FNL & 725' FWL Sec. 30, T. 17 S., R. 31 E., Eddy County, NM
Approximate Location: ~3-3/4 air miles southeast of Loco Hills, NM
Applicant Name: Apache Corporation (432) 818-1167
Applicant's Address: 303 Veterans Airpark Lane, #3000, Midland, TX 79705

Submittal Information: Application for a salt water disposal well will be filed with the NM Oil Conservation Division (NMOCD). If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood
Brian Wood

USPS Retail Service CERTIFIED MAIL - RECEIPT (Domestic Mail Only - Not for use with International Mail)	
OFFICIAL USE	
Postage \$	ECOS Mark
Certified Fee	Postmark Here
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.49
Sent To	Pitch
Street, Apt. No., or PO Box No.	
City, State, ZIP+4	

7002 2550 0003 3105 9175

EXHIBIT C

March 28, 2011

Jack Plemons
P. O. Box 1448
Carlsbad, NM 88220

Apache Corporation is applying (see attached application) to drill its proposed Apache State SWD #3 well as a water disposal well. As required by NM Oil Conservation Division Rules, I am notifying you of the following proposed salt water disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Apache State SWD #3 (state lease) ID = 9,700'
Proposed Injection Zone: Wolfcamp & Cisco (from 8,168' to 9,700')
Location: 2300' FNL & 725' FWL Sec. 30, T. 17 S., R. 31 E., Eddy County, NM
Approximate Location: ~3-3/4 air miles southeast of Loco Hills, NM
Applicant Name: Apache Corporation (432) 818-1167
Applicant's Address: 303 Veterans Airpark Lane, #3000, Midland, TX 79705

Submittal Information: Application for a salt water disposal well will be filed with the NM Oil Conservation Division (NMOCD). If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood
Brian Wood

USPS Retail Service CERTIFIED MAIL - RECEIPT (Domestic Mail Only - Not for use with International Mail)	
OFFICIAL USE	
Postage \$	ECOS Mark
Certified Fee	Postmark Here
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.49
Sent To	Plemons
Street, Apt. No., or PO Box No.	
City, State, ZIP+4	

7002 2550 0003 3105 9175

March 28, 2011

Devon Energy Production Co. LP
20 N. Broadway, #1500
Oklahoma City, OK 73102

Apache Corporation is applying (see attached application) to drill its proposed Apache State SWD #3 well as a water disposal well. As required by NM Oil Conservation Division Rules, I am notifying you of the following proposed salt water disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Apache State SWD #3 (state lease) ID = 9,700'
Proposed Injection Zone: Wolfcamp & Cisco (from 8,168' to 9,700')
Location: 2300' FNL & 725' FWL Sec. 30, T. 17 S., R. 31 E., Eddy County, NM
Approximate Location: ~3-3/4 air miles southeast of Loco Hills, NM
Applicant Name: Apache Corporation (432) 818-1167
Applicant's Address: 303 Veterans Airpark Lane, #3000, Midland, TX 79705

Submittal Information: Application for a salt water disposal well will be filed with the NM Oil Conservation Division (NMOCD). If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood

Brian Wood

U.S. Postal Service
CERTIFIED MAIL - RECEIPT
(Domestic Mail Only - Not Insurance Coverage Provided)
Visit www.usps.com for more information.

OFFICIAL USE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 649

Sent To: Devon
Street, Apt. No., or PO Box No.:
City, State, ZIP+4:

Postmark Here
MAR 29 2011
NECOS NM

EXHIBIT J

March 28, 2011

Merit Energy Mgt. Partners I LP, D-III LP, & III LP
13727 Noel Road, #500
Dallas, TX 75240

Apache Corporation is applying (see attached application) to drill its proposed Apache State SWD #3 well as a water disposal well. As required by NM Oil Conservation Division Rules, I am notifying you of the following proposed salt water disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Apache State SWD #3 (state lease) ID = 9,700'
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Approximate Location: ~3-3/4 air miles southeast of Loco Hills, NM
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Applicant's Address: 303 Veterans Airpark Lane, #3000, Midland, TX 79705

Submittal Information: Application for a salt water disposal well will be filed with the NM Oil Conservation Division (NMOCD). If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood

Brian Wood

U.S. Postal Service
CERTIFIED MAIL - RECEIPT
(Domestic Mail Only - Not Insurance Coverage Provided)
Visit www.usps.com for more information.

OFFICIAL USE

Postage	\$
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 649

Sent To: Merit
Street, Apt. No., or PO Box No.:
City, State, ZIP+4:

Postmark Here
MAR 29 2011
NECOS NM



PROVIDING PERMITS for LAND USERS
37Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

March 28, 2011

Jay K. Armstrong LP
P. O. Box 2193
Wichita Falls, TX 76307

Apache Corporation is applying (see attached application) to drill its proposed Apache State SWD #3 well as a water disposal well. As required by NM Oil Conservation Division Rules, I am notifying you of the following proposed salt water disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Apache State SWD #3 (state lease) ID = 9,700'
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Approximate Location: ~3-3/4 air miles southeast of Loco Hills, NM
Applicant Name: Apache Corporation (432) 818-1167
Applicant's Address: 303 Veterans Airpark Lane, #3000, Midland, TX 79705

Submittal Information: Application for a salt water disposal well will be filed with the NM Oil Conservation Division (NMOCD). If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood

Brian Wood

U.S. Postal Service
CERTIFIED MAIL - RECEIPT
(Domestic Mail Only - Insurance Coverage Provided)

Postage \$
Certified Fee
Return Receipt Fee (Endorsement Required)
Registered Delivery Fee (Endorsement Required)
Total Postage & Fees \$ 6.49

Postmark
MAR 28 2011
FEE

Sent To
Street, Apt. No., or PO Box No.
City, State, Zip+4

Armstrong

7002 0952 E000 501E 2026

EXHIBIT J



PROVIDING PERMITS for LAND USERS
37Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

March 28, 2011

Judah Oil
P. O. Box 568
Artesia, NM 88211-0568

Apache Corporation is applying (see attached application) to drill its proposed Apache State SWD #3 well as a water disposal well. As required by NM Oil Conservation Division Rules, I am notifying you of the following proposed salt water disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

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Proposed Injection Zone: Wolfcamp & Cisco (from 8,168' to 9,700')
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Approximate Location: ~3-3/4 air miles southeast of Loco Hills, NM
Applicant Name: Apache Corporation (432) 818-1167
Applicant's Address: 303 Veterans Airpark Lane, #3000, Midland, TX 79705

Submittal Information: Application for a salt water disposal well will be filed with the NM Oil Conservation Division (NMOCD). If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood

Brian Wood

U.S. Postal Service
CERTIFIED MAIL - RECEIPT
(Domestic Mail Only - Insurance Coverage Provided)

Postage \$
Certified Fee
Return Receipt Fee (Endorsement Required)
Registered Delivery Fee (Endorsement Required)
Total Postage & Fees \$ 6.49

Postmark
MAR 28 2011
FEE

Sent To
Street, Apt. No., or PO Box No.
City, State, Zip+4

Judah

7002 0952 E000 501E 2026



March 28, 2011

McCombs Energy LLC
5599 San Felipe, #1220
Houston, TX 77056-2794

Apache Corporation is applying (see attached application) to drill its proposed Apache State SWD #3 well as a water disposal well. As required by NM Oil Conservation Division Rules, I am notifying you of the following proposed salt water disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Apache State SWD #3 (state lease) ID = 9,700'
Proposed Injection Zone: Wolfcamp & Cisco (from 8,168' to 9,700')
Location: 2300' FNL & 725' FWL Sec. 30, T. 17 S., R. 31 E., Eddy County, NM
Approximate Location: ~3-3/4 air miles southeast of Loco Hills, NM
Applicant Name: Apache Corporation (432) 818-1167
Applicant's Address: 303 Veterans Airpark Lane, #3000, Midland, TX 79705

Submittal Information: Application for a salt water disposal well will be filed with the NM Oil Conservation Division (NMOCD). If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,
Brian Wood
Brian Wood

2007 7552 0000 3105 5026

U.S. Postal Service CERTIFIED MAIL RECEIPT (Domestic Mail Only - International Coverage Provided)	
For delivery information visit www.usps.com	
OFFICIAL USE	
Postage \$	
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.99
Sent To	McCombs
Sender's Zip No.	
or PO Box No.	
City, State, ZIP+4	

PECCS Postmark Here MAR 28 2011

EXHIBIT J



March 28, 2011

McInnes Resources Co.
P. O. Box 527
Artesia, NM 88211-0527

Apache Corporation is applying (see attached application) to drill its proposed Apache State SWD #3 well as a water disposal well. As required by NM Oil Conservation Division Rules, I am notifying you of the following proposed salt water disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Apache State SWD #3 (state lease) ID = 9,700'
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Location: 2300' FNL & 725' FWL Sec. 30, T. 17 S., R. 31 E., Eddy County, NM
Approximate Location: ~3-3/4 air miles southeast of Loco Hills, NM
Applicant Name: Apache Corporation (432) 818-1167
Applicant's Address: 303 Veterans Airpark Lane, #3000, Midland, TX 79705

Submittal Information: Application for a salt water disposal well will be filed with the NM Oil Conservation Division (NMOCD). If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,
Brian Wood
Brian Wood

2007 7552 0000 3105 5026

U.S. Postal Service CERTIFIED MAIL RECEIPT (Domestic Mail Only - International Coverage Provided)	
For delivery information visit www.usps.com	
OFFICIAL USE	
Postage \$	
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.99
Sent To	McInnes
Sender's Zip No.	
or PO Box No.	
City, State, ZIP+4	

PECCS Postmark Here MAR 28 2011

March 28, 2011

Paloma Resource Inc.
P. O. Box 1814
Roswell, NM 88202

Apache Corporation is applying (see attached application) to drill its proposed Apache State SWD #3 well as a water disposal well. As required by NM Oil Conservation Division Rules, I am notifying you of the following proposed salt water disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Apache State SWD #3 (state lease) ID = 9,700'
Proposed Injection Zone: Wolfcamp & Cisco (from 8,168' to 9,700')
Location: 2300' FNL & 725' FWL Sec. 30, T. 17 S., R. 31 E., Eddy County, NM
Approximate Location: ≈3-3/4 air miles southeast of Loco Hills, NM
Applicant Name: Apache Corporation (432) 818-1167
Applicant's Address: 303 Veterans Airpark Lane, #3000, Midland, TX 79705

Submittal Information: Application for a salt water disposal well will be filed with the NM Oil Conservation Division (NMOCD). If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,
Brian Wood
Brian Wood

US Postal Service CERTIFIED MAIL RECEIPT (Domestic Mail Only - International Coverage Provided)		Postmark Here MAR 23 2011	
Postage	\$	Certified Fee	\$
Return Receipt Fee (Endorsement Required)		Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees		\$ 6.99	
Sent to Paloma			
Street, Apt. No., or PO Box No. City, State, ZIP+4			

EXHIBIT J

March 28, 2011

Larry Jones
P. O. Box 1246
Artesia, NM 88210

Apache Corporation is applying (see attached application) to drill its proposed Apache State SWD #3 well as a water disposal well. As required by NM Oil Conservation Division Rules, I am notifying you of the following proposed salt water disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Apache State SWD #3 (state lease) ID = 9,700'
Proposed Injection Zone: Wolfcamp & Cisco (from 8,168' to 9,700')
Location: 2300' FNL & 725' FWL Sec. 30, T. 17 S., R. 31 E., Eddy County, NM
Approximate Location: ≈3-3/4 air miles southeast of Loco Hills, NM
Applicant Name: Apache Corporation (432) 818-1167
Applicant's Address: 303 Veterans Airpark Lane, #3000, Midland, TX 79705

Submittal Information: Application for a salt water disposal well will be filed with the NM Oil Conservation Division (NMOCD). If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,
Brian Wood
Brian Wood

US Postal Service CERTIFIED MAIL RECEIPT (Domestic Mail Only - International Coverage Provided)		Postmark Here MAR 23 2011	
Postage	\$	Certified Fee	\$
Return Receipt Fee (Endorsement Required)		Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees		\$ 6.99	
Sent to Jones			
Street, Apt. No., or PO Box No. City, State, ZIP+4			

March 28, 2011

Lothian Oil Inc.
303 W. Wall, #500
Midland, TX 79701

Apache Corporation is applying (see attached application) to drill its proposed Apache State SWD #3 well as a water disposal well. As required by NM Oil Conservation Division Rules, I am notifying you of the following proposed salt water disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

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Location: 2300' FNL & 725' FWL Sec. 30, T. 17 S., R. 31 E., Eddy County, NM
Approximate Location: ~3-3/4 air miles southeast of Loco Hills, NM
Applicant Name: Apache Corporation (432) 818-1167
Applicant's Address: 303 Veterans Airpark Lane, #3000, Midland, TX 79705

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Please call me if you have any questions.

Sincerely,

Brian Wood
Brian Wood

USPS PERMITTING
CERTIFIED MAIL RECEIPT
(Domestic Mail Only - Insurance Coverage Required)
Hand-delivered mail must be received by a business or government office.

OFFICIAL USE

Postage \$	
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$6.49

Sent To: Lothian

Postmark: MAR 28 2011

Street Apt. No.:
City, State, ZIP+4:

EXHIBIT J

March 28, 2011

Premier Oil & Gas Inc.
P. O. Box 1246
Artesia, NM 88210

Apache Corporation is applying (see attached application) to drill its proposed Apache State SWD #3 well as a water disposal well. As required by NM Oil Conservation Division Rules, I am notifying you of the following proposed salt water disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Apache State SWD #3 (state lease) ID = 9,700'
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Location: 2300' FNL & 725' FWL Sec. 30, T. 17 S., R. 31 E., Eddy County, NM
Approximate Location: ~3-3/4 air miles southeast of Loco Hills, NM
Applicant Name: Apache Corporation (432) 818-1167
Applicant's Address: 303 Veterans Airpark Lane, #3000, Midland, TX 79705

Submittal Information: Application for a salt water disposal well will be filed with the NM Oil Conservation Division (NMOCD). If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood
Brian Wood

USPS PERMITTING
CERTIFIED MAIL RECEIPT
(Domestic Mail Only - Insurance Coverage Required)
Hand-delivered mail must be received by a business or government office.

OFFICIAL USE

Postage \$	
Certified Fee	
Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$6.49

Sent To: Premier

Postmark: MAR 28 2011

Street Apt. No.:
City, State, ZIP+4:



PROVIDING PERMITS FOR LAND USERS
37 Veterans Loop, Santa Fe, New Mexico 87508 (505) 466-8120

March 28, 2011

Edge Petroleum Corp.
1301 Travis, #2000
Houston, TX 77002

Apache Corporation is applying (see attached application) to drill its proposed Apache State SWD #3 well as a water disposal well. As required by NM Oil Conservation Division Rules, I am notifying you of the following proposed salt water disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

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Approximate Location: ~3-3/4 air miles southeast of Loco Hills, NM
Applicant Name: Apache Corporation (432) 818-1167
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Please call me if you have any questions.

Sincerely,

Brian Wood

Brian Wood

USPS Retail Service
CERTIFIED MAIL - RECEIPT
(Domestic Mail Only - Insurance Coverage Provided)

For delivery information visit us online at www.usps.com

OFFICIAL USE

Postage \$
Certified Fee
Return Receipt Fee (Endorsement Required)
Restricted Delivery Fee (Endorsement Required)
Total Postage & Fees \$ 6.49

Sent To
Street, Apt. No.,
or PO Box No.
City, State, ZIP+4

Postmark
MAR 23 2011

2826 501E 8000 0952 2007

EXHIBIT J



PROVIDING PERMITS FOR LAND USERS
37 Veterans Loop, Santa Fe, New Mexico 87508 (505) 466-8120

March 28, 2011

Enervest Energy Institutional Funds XI-A & XI-WI
1001 Fannin St., Suite 800
Houston, TX 77002-6707

Apache Corporation is applying (see attached application) to drill its proposed Apache State SWD #3 well as a water disposal well. As required by NM Oil Conservation Division Rules, I am notifying you of the following proposed salt water disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

Well Name: Apache State SWD #3 (state lease) ID = 9,700'
Proposed Injection Zone: Wolfcamp & Cisco (from 8,168' to 9,700')
Location: 2300' FNL & 725' FWL Sec. 30, T. 17 S., R. 31 E., Eddy County, NM
Approximate Location: ~3-3/4 air miles southeast of Loco Hills, NM
Applicant Name: Apache Corporation (432) 818-1167
Applicant's Address: 303 Veterans Airpark Lane, #3000, Midland, TX 79705

Submittal Information: Application for a salt water disposal well will be filed with the NM Oil Conservation Division (NMOCD). If you have an objection, or wish to request a hearing, then it must be filed with the NMOCD within 15 days of receipt of this letter. The New Mexico Oil Conservation Division address is 1220 South St. Francis Dr. Santa Fe, NM 87505. Their phone number is (505) 476-3440.

Please call me if you have any questions.

Sincerely,

Brian Wood

Brian Wood

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MAR 28 2011

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March 28, 2011

Ollie L. Burnett Trust
Anne B. Tandy Estate
& Anne B. Windfohr
801 Cherry St., #1500
Ft. Worth, TX 76102-6869

Apache Corporation is applying (see attached application) to drill its proposed Apache State SWD #3 well as a water disposal well. As required by NM Oil Conservation Division Rules, I am notifying you of the following proposed salt water disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

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Please call me if you have any questions.

Sincerely,
Brian Wood
Brian Wood

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City, State, ZIP+4 _____

7007 2560 0003 3105 9302

March 28, 2011

Pure Energy Group Inc.
700 N. St. Mary's St., #1925
San Antonio, TX 78205

Apache Corporation is applying (see attached application) to drill its proposed Apache State SWD #3 well as a water disposal well. As required by NM Oil Conservation Division Rules, I am notifying you of the following proposed salt water disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

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Please call me if you have any questions.

Sincerely,
Brian Wood
Brian Wood

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Total Postage & Fees	\$ 6.49

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City, State, ZIP+4 _____

7007 2560 0003 3105 9302

EXHIBIT J



March 28, 2011

R. F. Windföhr Trust
P. O. Box 2950
Ft. Worth, TX 76113

Apache Corporation is applying (see attached application) to drill its proposed Apache State SWD #3 well as a water disposal well. As required by NM Oil Conservation Division Rules, I am notifying you of the following proposed salt water disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

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Please call me if you have any questions.

Sincerely,

Brian Wood

7007 2550 0003 3105 9329

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7007 2550 0003 3105 9329

EXHIBIT J



March 28, 2011

Texas Reexploration Ltd. 1
3025 Maxroy
Houston, TX 77008

Apache Corporation is applying (see attached application) to drill its proposed Apache State SWD #3 well as a water disposal well. As required by NM Oil Conservation Division Rules, I am notifying you of the following proposed salt water disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

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Please call me if you have any questions.

Sincerely,

Brian Wood

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PROVIDING PERMITS FOR LAND USERS
37Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

March 28, 2011

Texas Refining & Exploration LP
5701 Woodway, #1110
Houston, TX 77057

Apache Corporation is applying (see attached application) to drill its proposed Apache State SWD #3 well as a water disposal well. As required by NM Oil Conservation Division Rules, I am notifying you of the following proposed salt water disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

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Please call me if you have any questions.

Sincerely,

Brian Wood
Brian Wood

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EXHIBIT J



PROVIDING PERMITS FOR LAND USERS
37Verano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

March 28, 2011

Yates Petroleum Corp., Abo Petroleum Corp.,
Myco Industries Inc., & Yates Drilling Co.
105 S. 4th St.
Artesia, NM 88210

Apache Corporation is applying (see attached application) to drill its proposed Apache State SWD #3 well as a water disposal well. As required by NM Oil Conservation Division Rules, I am notifying you of the following proposed salt water disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

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Please call me if you have any questions.

Sincerely,

Brian Wood
Brian Wood

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MAR 28 2011
7552



March 28, 2011

Burnett Oil Co.
801 Cherry St., #1500 Unit 9
Ft. Worth, TX 76102-6881

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Please call me if you have any questions.

Sincerely,

Brian Wood

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Total Postage & Fees	\$ 6.49
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City, State, ZIP+4	

CCOS Mark Here MAR 23 2011

EXHIBIT J



March 28, 2011

Chevron USA Holdings Inc.
11111 S. Wilcrest
Houston, TX 77099

Apache Corporation is applying (see attached application) to drill its proposed Apache State SWD #3 well as a water disposal well. As required by NM Oil Conservation Division Rules, I am notifying you of the following proposed salt water disposal well. This letter is a notice only. No action is needed unless you have questions or objections.

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Please call me if you have any questions.

Sincerely,

Brian Wood

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Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.49
Sent To	Chevron USA Holdings
Street Apt. No. or PO Box No.	
City, State, ZIP+4	

Postmark Here



March 28, 2011

Chevron USA Inc.
15 Smith Rd.
Midland, TX 79705

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Please call me if you have any questions.

Sincerely,

Brian Wood
Brian Wood

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Return Receipt Fee (Endorsement Required)	
Restricted Delivery Fee (Endorsement Required)	
Total Postage & Fees	\$ 6.49
Sent To: <u>Charles - USA Inc</u>	
Street, Apt. No., or PO Box No. <u>15 Smith Rd</u>	
City, State, ZIP+4 <u>Midland, TX 79705</u>	

EXHIBIT J



March 28, 2011

EOG Resources Inc.
P. O. Box 4362
Houston, TX 77210-4362

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Brian Wood

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Total Postage & Fees	\$ 6.49
Sent To: <u>EOG</u>	
Street, Apt. No., or PO Box No. <u>2550 E. 29th Ave</u>	
City, State, ZIP+4 <u>Midland, TX 79705</u>	



PROVIDING PERMITS for LAND USERS
37Vernon Loop, Santa Fe, New Mexico 87508 (505) 466-8120

Anne P. Phillips Trust
1202 1st National Bank
Ft. Worth, TX 76102

March 28, 2011

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Please call me if you have any questions.

Sincerely,

Brian Wood
Brian Wood

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MAR 28 2011

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SENT TO
Anne P. Phillips

Street, Apt. No., or PO Box No.
City, State, ZIP+4

EXHIBIT J



PROVIDING PERMITS for LAND USERS
37Vernon Loop, Santa Fe, New Mexico 87508 (505) 466-8120

BLM
620 E. Greene St.
Carlsbad, NM 88220

March 28, 2011

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Please call me if you have any questions.

Sincerely,

Brian Wood
Brian Wood

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BLM

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City, State, ZIP+4

Affidavit of Publication

NO.

21528

STATE OF NEW MEXICO

County of Eddy:

Walter L. Green

Walter L. Green

being duly sworn, says that he is the

Publisher

of the Artesia Daily Press, a daily newspaper of general circulation, published in English at Artesia, said county and state, and that the hereto attached

Legal Notice

was published in a regular and entire issue of the said Artesia Daily Press, a daily newspaper duly qualified for that purpose within the meaning of Chapter 167 of the 1937 Session Laws of the state of New Mexico for 1 Consecutive weeks/days on the same day as follows:

First Publication

February 1, 2011

Second Publication

Third Publication

Fourth Publication

Fifth Publication

Subscribed and sworn to before me this

2nd

day of

February

2011



OFFICIAL SEAL

Danny Scott

NOTARY PUBLIC-STATE OF NEW MEXICO

My commission expires: 3/18/2014

Danny Scott

Danny Scott
Notary Public, Eddy County, New Mexico

Copy of Publication:

LEGAL NOTICE

Apache State SWD #1

Apache Corporation is applying for 3 saltwater disposal wells. The Apache State SWD #1 will inject from 8290' to 9690' and is staked at 660 FNL & 1980 FEL Sec. 36, T. 17 S., R. 30 E. The Apache State SWD #2 will inject from 8554' to 9700' and is staked at 1980 FSL & 1980 FEL Sec. 32, T. 17 S., R. 31 E. The Apache State SWD #3 will inject from 8168' to 9700' and is staked at 2300 FNL & 725 FEL Sec. 30, T. 17 S., R. 31 E. All 3 wells are in Eddy County and will dispose into the Wolfcamp and Cisco. Maximum disposal rate will be 20,000 bwpd per well. Maximum injection pressures will be 1658 psi for the #1 well, 1710 psi for the #2 well, and 1633 psi for the #3 well. Interested parties must file objections or requests for hearing with the NM Oil Conservation Division, 1220 South Saint Francis Dr., Santa Fe, NM 87505 within 15 days. Additional information can be obtained by contacting: Brian Wood, Permits West, Inc., 37 Verano Loop, Santa Fe, NM 87508. Phone number is (505) 466-8120.

Published in the Artesia Daily Press, Artesia, N.M., February 1, 2011.

Legal No. 21528.

EXHIBIT K

Jones, William V., EMNRD

From: brian wood [brian@permitswest.com]
Sent: Thursday, March 31, 2011 8:03 AM
To: Jones, William V., EMNRD
Subject: Apache State SWD applications & Wolfcamp evaluation

Apache plans to conduct an open hole log analysis of the Wolfcamp.
This will apply to all 3 SWD applications in the same area:
Apache State SWD 1 (36-17s-30e)
Apache State SWD 2 (32-17s-31e)
Apache State SWD 3 (30-17s-31e)

Injection Permit Checklist (11/15/2010)

WFX _____ PMX _____ SWD (12TH) Permit Date 5/11/11 UIC Qtr (A/M/T)# Wells 1 Well Name(s): APACHE STATE SWD # 3API Num: 30-015-38978 Spud Date: NEW New/Old: N (UIC primacy March 7, 1982)Footages 2300 FUL / 725 FUL Unit LOT# E Sec 30 Tsp 175 Rge 31E County EDDY

General Location:

Operator: APACHE CORP Contact BRIAN WOODOGRID: 873 RULE 5.9 Compliance (Wells) 5/25/11 (Finan Assur) OK IS 5.9 OK? OKWell File Reviewed ✓ Current Status: ~~DETA~~ New Planned wellPlanned Work to Well: RE-ENTERDiagrams: Before Conversion _____ After Conversion ✓ Elogs in Imaging File: Planned: CBL/SGR/D/DLL/MSFL/CNL

Well Details:	Sizes		Setting Depths	Stage Tool	Cement Sx or Cf	Determination Method
	Hole.....	Pipe				
New <u>✓</u> Existing _____ Surface	<u>17 1/2</u>	<u>13 3/8</u>	<u>500</u>	<u>—</u>	<u>540 SX</u>	<u>CIRC</u>
New <u>✓</u> Existing _____ Interm	<u>12 1/4</u>	<u>9 5/8</u>	<u>4500</u>	<u>—</u>	<u>1240 SX</u>	<u>CIRC</u>
New <u>✓</u> Existing _____ LongSt	<u>8 3/4</u>	<u>7"</u>	<u>9700'</u>	<u>7000</u>	<u>450/450 170 SX</u>	<u>2500' CBL</u>
New _____ Existing _____ Liner						
New _____ Existing _____ OpenHole						

Depths/Formations: Depths, Ft. Formation Tops?

Formation(s) Above	<u>8168</u>	<u>WC</u>	<u>✓</u>
Injection TOP:	<u>8168</u>	<u>WC (Dolomite)</u>	Max. PSI <u>1634</u> Open Hole _____ Perfs <u>✓</u>
Injection BOTTOM:	<u>9700</u>	<u>CISCO</u>	Tubing Size <u>3 1/2</u> Packer Depth <u>8058'</u>
Formation(s) Below	<u>9007</u>	<u>CISCO</u>	<u>✓</u>

Capitan Reef? _____ (Potash? _____ Noticed? _____) (WIPP? _____ Noticed? _____) 1 Salado Top/Bot 366-1324 Salt House? _____Fresh Water: Depths: 0 Formation QAL Wells? NO Analysis? NO Affirmative Statement ✓Disposal Fluid Analysis? ✓ Sources: APACHE MAINLY YESDisposal Interval: Analysis? ✓ Production Potential/Testing: Will Run LOGSNotice: Newspaper Date 2/1/11 Surface Owner SLO. Mineral Owner(s) _____RULE 26.7(A) Affected Persons: CONOCO / CANSUS / CAMEX OIL / J-R PLENOWS / BP / EOG, ETCAOR: Maps? ✓ Well List? ✓ Producing in Interval? NO Wellbore Diagrams? ✓.....Active Wells 1 Repairs? 0 Which Wells? —.....P&A Wells 1 Repairs? 0 Which Wells? 30-015-03476 9722-9734 CISCO 8910 T.C. 120' SWABIssues: Test WC/CISCO Before Project Request Sent _____ Reply: _____