



9/23/02
 SUSPENSE 10/8/02 ENGINEER WJ LOGGED IN KW TYPE SWD APP NO 226653999
 AMEND #812

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 _____

SEP 23 2002

- [2] NOTIFICATION REQUIRED TO: - Check Those Which Apply, or _ Does Not Apply
- [A] Working, Royalty or Overriding Royalty Interest Owners
 - [B] Offset Operators, Leaseholders or Surface Owner
 - [C] Application is One Which Requires Published Legal Notice
 - [D] Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands State Land Office
 - [E] For all of the above, Proof of Notification or Publication is Attached, and/or,
 - [F] Waivers are Attached

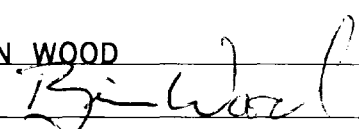
[3] SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE OF APPLICATION INDICATED ABOVE.

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

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

Print or Type Name	Signature	Title	Date
BRIAN WOOD (505) 466-8120 FAX 466-9682		CONSULTANT	9-19-02
			e-mail Address brian@permitswest.com

APPLICATION FOR AUTHORIZATION TO INJECT

- I. PURPOSE: _____ Secondary Recovery _____ Pressure Maintenance XXX Disposal _____ Storage
Application qualifies for administrative approval? XXX Yes _____ No
- II. OPERATOR: XTO ENERGY, INC.
ADDRESS: 2700 FARMINGTON AVE., BLDG. K, SUITE 1, FARMINGTON, NM 87401
CONTACT PARTY: BRIAN WOOD c/o 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? XXX Yes _____ No SWD-812
If yes, give the Division order number authorizing the project: _____
- V. Attach a map that identifies all wells and leases within two miles of any proposed injection well with a one-half mile radius circle drawn around each proposed injection well. This circle identifies the well's area of review.
- VI. Attach a tabulation of data on all wells of public record within the area of review which penetrate the proposed injection zone. Such data shall include a description of each well's type, construction, date drilled, location, depth, record of completion, and a schematic of any plugged well illustrating all plugging detail.
- VII. Attach data on the proposed operation, including:
1. Proposed average and maximum daily rate and volume of fluids to be injected;
 2. Whether the system is open or closed;
 3. Proposed average and maximum injection pressure;
 4. Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and,
 5. If injection is for disposal purposes into a zone not productive of oil or gas at or within one mile of the proposed well, attach a chemical analysis of the disposal zone formation water (may be measured or inferred from existing literature, studies, nearby wells, etc.).
- *VIII. Attach appropriate geologic data on the injection zone including appropriate lithologic detail, geologic name, thickness, and depth. Give the geologic name, and depth to bottom of all underground sources of drinking water (aquifers containing waters with total dissolved solids concentrations of 10,000 mg/l or less) overlying the proposed injection zone as well as any such sources known to be immediately underlying the injection interval.
- IX. Describe the proposed stimulation program, if any.
- *X. Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted).
- *XI. Attach a chemical analysis of fresh water from two or more fresh water wells (if available and producing) within one mile of any injection or disposal well showing location of wells and dates samples were taken.
- XII. Applicants for disposal wells must make an affirmative statement that they have examined available geologic and engineering data and find no evidence of open faults or any other hydrologic connection between the disposal zone and any underground sources of drinking water.
- XIII. Applicants must complete the "Proof of Notice" section on the reverse side of this form.
- XIV. Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
- NAME: BRIAN WOOD TITLE: CONSULTANT
SIGNATURE:  DATE: 9-20-02
- * 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: _____

INJECTION WELL DATA SHEET

XTO ENERGY, INC.

OPERATOR:

WELL NAME & NUMBER: 998' FNL & 2114' FEL (30-045-30788) ASHCROFT SWD #1

WELL LOCATION: UNIT LETTER B SECTION 26 TOWNSHIP 29N RANGE 11W

FOOTAGE LOCATION

WELLBORE SCHEMATIC

WELL CONSTRUCTION DATA

Surface Casing

Hole Size: 17-1/2" Casing Size: 13-3/8" @ 341'
Cemented with: 400 sx. or ft³
Top of Cement: SURFACE Method Determined: VISUAL

13-3/8" 48# H-40 ST&C
Set in 17-1/2" hole at 341'
Cemented to surface with 400 sx

Intermediate Casing

Hole Size: 12-1/4" Casing Size: 9-5/8" @ 2,553'
Cemented with: 850 sx. or ft³
Top of Cement: SURFACE Method Determined: VISUAL

9-5/8" 36# J-55 ST&C
Set in 12-1/4" hole at 2,553'
Cemented to surface with 850 sx

Production Casing

Hole Size: 8-3/4" Casing Size: 7" @ 7,510'
Cemented with: 1,035 sx. or ft³
Top of Cement: 3,300' TEMP. SURVEY
Total Depth: 7,510' Method Determined: TEMP. SURVEY

7" 23# J-55 LT&C
Set in 8-3/4" hole at 7,510'
Cemented to 3,300' with 1,035 sx

Injection Interval

6,925' Injection Interval 7,100' feet to

WILL PERFORATE 6,925' - 7,100'

Perforated 7,224' - 7,382'
with 4 shots per foot
(560 0.43" holes)

(Perforated ~~or~~ Open Hole; indicate which)

INJECTION WELL DATA SHEET

INTERNAL PLASTIC

2-7/8"

Tubing Size: _____ Lining Material: _____

Type of Packer: BAKER MODEL D (permanent) or BAKER LOK-SET (retrievable)

Packer Setting Depth: ≈6,900'

Other Type of Tubing/Casing Seal (if applicable): ANCHOR SEAL ASSEMBLY STUNG INTO PACKER

Additional Data

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

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

2. Name of the Injection Formation: MORRISON

3. Name of Field or Pool (if applicable): WILDCAT

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. 7,224' - 7,382'
ENTRADA (SIMULTANEOUS WATER DISPOSAL)

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

NOW PRODUCING OVERLYING: FRUITLAND, CHACRA, GALLUP, MESA VERDE, & DAKOTA

NOW PRODUCING UNDERLYING: NONE WITHIN 2 MILE RADIUS

XTO ENERGY, INC.
ASHCROFT SWD #1
998' FNL & 2114' FEL
SEC. 26, T. 29 N., R. 11 W.
SAN JUAN COUNTY, NEW MEXICO
AMENDMENT TO NMOCD ADMINISTRATIVE ORDER SWD-812

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I. Purpose is water disposal. XTO currently disposes into the Entrada in this well bore. However, XTO wants to dispose of more water than the Entrada can take. Thus, XTO is seeking permission to add the Morrison Formation as a second concurrent disposal zone.

II. Operator is: XTO Energy, Inc.
Operator phone number is: (505) 324-1090
Operator address is: 2700 Farmington Ave., Bldg. K, Suite 1
Farmington, NM 87401
Contact is: Brian Wood (Permits West, Inc.). Phone is (505) 466-8120.

III. A. (1) Lease is 160 acres.
Lease comprises NE4 of Section 26, T. 29 N., R. 11 W.
Well is 528' from the closest lease line.
Well name and number are the Ashcroft SWD #1.
Well is at 998' FNL and 2114' FEL Sec. 26, T. 29 N., R. 11 W.

A. (2) Surface casing (13-3/8", 48#, H-40, S T & C) is set at ≈341' in a 17-1/2" hole. Cemented to the surface with 400 sacks (139% excess) type III cement. Circulated 26 barrels cement to the surface. Top was determined by visual observation. Cement was mixed at ≈14.6 pounds per gallon and ≈1.41 cubic feet per sack with 1/4 pound per sack cello flake and 2% CaCl₂.
Intermediate string (9-5/8", 36#, J-55, S T & C) was set at 2,553' in a 12-1/4" hole and cemented to the surface with 850 sacks. Circulated 54 barrels of cement to the surface. Top was determined by visual observation. Ran 500 sacks Premium Lite FM cement (65/35/6 Type III/Poz/gel with 2% KCl and 1/4 pound per sack cello flake) mixed at 12.5 pounds per gallon and 1.96 cubic feet per sack. Followed by 350 sacks Type III cement mixed at 14.5 pounds per gallon and 1.41 cubic feet per sack with 1/4 pound per sack cello flake and 3% CaCl₂.

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Production casing (7", 23#, J-55, L T & C) was set at 7510' in a 8-3/4" hole and cemented with 1,035 sacks cement. Top of cement is at 3,300' based on temperature survey. Pumped 835 sacks Premium Lite FM cement (65/35/6 Type III/Poz/gel with 2% KCl + 1/4 pound per sack cello flake + 0.2% CD-2 + 0.5% FL-52 + 4% Phenoseal) mixed at 11.9 pounds per gallon and 2.23 cubic feet per sack. Followed by 200 sacks Class H cement mixed at 15.6 pounds per gallon and 1.21 cubic feet per sack with 2% KCl + 0.6% FL-32 + 1/4 pound per sack cello flake + 4% Phenoseal.

Production casing was hydraulically pressure tested at 1,000 psig before perforating.

- A. (3) Tubing is 2-7/8" 6.5# L-80 EUE 8rd internal plastic coated injection string. It is landed and anchored in the injection packer at 7,150'. This same tubing string will be reused. XTO proposes to set an injection packer at ≈6,900' (which will be 25' above the proposed Morrison disposal interval of ≈6,925' to ≈7,100'). Injection tubing will be landed in this injection packer.
- A. (4) If a permanent packer is used, a Baker model D packer or its equivalent will be set at ≈6,900' (which is 25' above the top of the proposed Morrison disposal interval of ≈6,925' - ≈7,100'). The injection tubing will be landed and anchored in this packer using an anchor seal assembly. If a retrievable packer is used, a Baker Lok-Set packer with on/off tool or its equivalent will be set at ≈6,900'. Injection tubing will be landed on this packer using an on/off tool.
- B. (1) Additional disposal zone will be the Junction Creek Member of the Morrison formation. Fracture gradient is expected to be a normal ≈0.65 psi per foot.
- B. (2) Additional disposal interval will be ≈6,925' to ≈7,100'. Porous sands will be perforated.
- B. (3) Well has been drilled and is currently perforated and disposing into the Entrada (7,224' - 7,382'). It is and will be used for the exclusive purpose of water disposal from present and future XTO wells. (See

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Exhibit A - 13 page list of existing XTO wells.) Water analyses from the Burro Canyon, Dakota, Fruitland, Gallup, Mesa Verde, Morrison, Paradox, and Pictured Cliffs are attached.

- B. (4) Well bore has been perforated in the Entrada (7,224' - 7,382'). It will also be perforated from \approx 6,925' to \approx 7,100' in the Morrison.
- B. (5) Top of the Morrison Formation is at 6,329'. Twenty-three other wells in the San Juan Basin dispose of water into the Morrison-Bluff-Entrada interval. Oil and gas are produced elsewhere in the San Juan Basin from the Morrison. Closest such Morrison well is Burlington's Vasaly Com. #2 which is \approx 6 miles north in NWNE 22-30n-11w. Bottom of the closest overlying productive formation (Dakota) is at 6,329'. There will be minimum 596' interval between the highest injection perforation and the bottom of the Dakota. Closest underlying potentially productive formation is the Pennsylvanian. There is no Pennsylvanian production within a 15 mile radius (see Exhibit B). The Entrada is vertically closer, but the closest Entrada production is 55 miles southwest at the Snake Eyes Field.

IV. This is an expansion (additional geologic interval) of existing injection authorization SWD-812.

V. Maps are attached showing all eight wells (1 P&A + 1 oil + 6 gas) within a half mile radius (See Exhibit C) and within a two mile radius (See Exhibit D). According to the Office of the State Engineer, there are no water wells within a half mile radius. According to their records, none of the 75 water wells (black triangles) within two miles penetrate or come within a vertical mile of penetrating the Morrison. Of the 40 wells for which there are depth records, the average depth is 52' and the range is 20' to 305'. Deepest water well in the 15 sections including and surrounding the proposed well is 752'. Details on the oil and gas wells within a half mile radius are below.

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<u>OPERATOR</u>	<u>WELL</u>	<u>LOCATION (29n-11w)</u>	<u>ZONE</u>	<u>TD</u>	<u>STATUS</u>
XTO	Pearce Gas Com 1E	NWSE Sec. 23	Dakota	6365	Gas
XTO	Earl Sullivan 2	SENE Sec. 26	Gallup	5751	Oil
XTO	Earl Sullivan 1	NWNE Sec. 26	Chacra	2861	Gas
XTO	Sullivan 1 E	SENE Sec. 26	Dakota	6329	Gas
XTO	Sullivan D 1	NWNE Sec. 26	Dakota	6260	Gas
XTO	Davis J 1	SENE Sec. 26	Chacra & MV	4331	Gas
Holcomb Basin	Sullivan 2	SENE Sec. 26	Fruitland	1478	Gas
	Sullivan 1 X	SWNE Sec. 26	N/A	858	P&A

Maps showing all Morrison leases (fee or BLM) within a half mile (see Exhibit E) and all Morrison leases (fee, BLM, or state) within two miles (see Exhibit F) are attached. Details on the Morrison leases (Entrada and Morrison ownership are identical) within a half mile are:

<u>AREA (all T. 29 N., R. 11 W)</u>	<u>TYPE</u>	<u>LESSEE</u>
S2SW4, NE4SW4, S2SE4 Sec. 23	Fee	XTO (100% below PC)
N2SE4 Sec. 23	Fee	LCS Company & Sparks Trust (100% below DK)
SW4SW4 Sec. 24	Fee	McLane et al, Devon, Diamond, McMullen, Markham, Christman, & Herd (all 100% below DK)
W2NW4 Sec. 25*	Fee	XTO (100% below PC)
*XTO has 50 ac. and McKay & CKM have 30 ac.in metes & bounds McKay & CKM (100% below Dakota)		
NE4 Sec. 26	Fee	XTO (100% below PC)
S2NW4 Sec. 26	Fee	XTO (100% all depths)
NE4NW4 Sec. 26	Fee	Burlington (100% below Dakota)
N2SW4 Sec. 26	Fee	Burlington (100% below Chacra)
N2SE4 Sec. 26	BLM	Burlington (100% below Chacra)
NW4NW4 Sec. 26	BLM	Burlington (100% below Dakota)

VI. Eight wells are within a half mile. Only two were drilled as deep as the top of the Morrison. None of the eight were drilled as deep as the proposed highest Morrison perforation. Top of the Morrison is 6,329'. Deepest well within a half mile is XTO's Pearce Gas Com 1E which was drilled to 6,365'. Highest proposed perforation will be 6,925'.

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- VII. 1. Average Morrison injection rate: <2,500 bwpd
 Maximum Morrison injection rate: 2,500 bwpd
2. System is and will be open (water is and will be trucked). Existing facilities include a 300 barrel oil tank, 1076 barrel oil skim tank, 1000 barrel settling tank, 1000 barrel suction tank, two Wheatley triplex injection pumps with dampeners, centrifugal charge pumps, two filter canisters for injection pump suction, and a house for the injection pumps. The well site is fenced with an an entrance gate.
3. Average injection pressure is and will be 1,200 psi.
 Maximum pressure for the Morrison will be 2,100 psi.
4. Water source will be present and future XTO wells in the San Juan Basin (see Exhibit A). Sixteen produced water analyses (Exhibit G) are attached. A summary follows. No local sample exists from the Morrison. Analyses of Morrison water from seven other wells elsewhere in the basin are in Exhibit H.

Zone	Bicarbonate	Calcium	Chloride	Iron	Magnesium	pH	Sulfate	TDS
Burro Canyon	1474	214	2376	0	48	7.86	9406	20,246
Dakota	472	318	10,910	100	24	6.33	298	19,557
Fruitland	6650	48	8784	0	19	7.32	0	23,744
Fruitland	964	401	13,490	N/A	195	7.13	0	23,333
Fruitland	990	210	25,500	4	78	7.60	0	43,280
Gallup	727	1077	33614	3	187	7.03	134	3460
Mesa Verde	6440	368	19061	25	76	6.82	0	40,953
Mesa Verde	1464	1587	15,909	10	1834	7.73	12,000	44,104
Mesa Verde	1393	63	15,005	0	48	7.70	0	26,842
Morrison	1549	199	3174	0	24	7.45	7044	18,099
Paradox	744	3125	15,600	0	777	8.00	650	26,201
Pic. Cliff	1880	16	2200	N/A	2	8.00	199	5610
Pic. Cliff	544	911	3168	3	193	7.10	N/A	5903
Pic. Cliff	2186	119	2376	0	1059	9.30	N/A	6132
Pic. Cliff	25	433	40	N/A	11	7.40	4040	6298
Pic. Cliff & Fruit	281	20	100	25	7	5.62	0	542

5. The Morrison has not been proven productive within 6 miles of the proposed well. XTO will attempt to swab load water back after the acid job and then catch a Morrison water sample. If successful, then the analysis will be

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provided to the NMOCD.

In general, lower (known variously as the Junction Creek, Cow Springs, or Bluff member of the) Morrison water near recharge zones (basin fringe) has a specific conductance of <2,000 μ mhos. Morrison water from one deep test of the basin had a specific conductance of 4,300 μ mhos. Stone et al in Hydrogeology and water resources of San Juan Basin, New Mexico state, "No wells are known to derive their water exclusively from this aquifer" and transmissivity is "relatively low". Summaries of analyses (see Exhibit H) of Morrison produced water from seven wells (closest is SWD 376 which is 13 miles northeast) follow.

Parameter	SWD 337 29-32n-10w	SWD 339 10-30n-7w	SWD 376 26-30n-9w	SWD 441 11-31n-7w	Simms 1 13-30n4w	Pump 1 36-31n-8w	Ute A-30 2-31n-14w
Bicarbonate	*104 mg/l	*643 mg/l	*270 mg/l	610 mg/l	180 mg/l	866 mg/l	478 mg/l
Calcium	*462 mg/l	*664 mg/l	*454 mg/l	281 mg/l	150 mg/l	160 mg/l	1531 mg/l
Chloride	*7159 mg/l	*17975 mg/l	*17039 mg/l	3905 mg/l	10479 mg/l	4470 mg/l	16075 mg/l
Iron	N/A	230 mg/l	N/A	N/A	0 mg/l	1.9 mg/l	>500 mg/l
Magnesium	*55 mg/l	66 mg/l	*74 mg/l	29 mg/l	24 mg/l	N/A	262 mg/l
pH	*6.24	*6.54	*6.57	7.08	7.10	7.07	6.29
Potassium	*1500 mg/l	1810 mg/l	N/A	N/A	15600 mg/l	N/A	69 mg/l
Sodium	*3807 mg/l	*5558 mg/l	*10988 mg/l	3852 mg/l	N/A	5650 mg/l	N/A
Sulfate	*449 mg/l	*1730 mg/l	*1030 mg/l	3099 mg/l	256 mg/l	5450 mg/l	3333 mg/l
Specific Gravity	*1.01	*1.02	*1.02	1.01	1.02	1.01	1.02
TDS	*12796 mg/l	*35350 mg/l	*29854 mg/l	11800 mg/l	22873 mg/l	15300 mg/l	34736 mg/l
Total Hardness	*1507 mg/l	N/A	N/A	N/A	473 mg/l	397 mg/l	4905 mg/l

*average of analyses

VIII. According to the U. S. Geological Survey (Ground Water Atlas of the United States - Arizona, Colorado, New Mexico, Utah - HA 730-C), the middle and lower Morrison is an " ... interbedded fine to medium sandstone, siltstone, and mudstone." It produces oil elsewhere in the basin (e.g., XTO's Ute Indians A #30 in NENE 2-31n-14w)). It is 775' thick in the well bore. Top is 6,329' and bottom is 7,104'. Well bore formation tops are:

Alluvium: 0'
 Nacimiento Mudstone & Sandstone: 50'

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Ojo Alamo Sandstone: 551'
Kirtland Shale: 711'
Fruitland Coal: 1,352'
Pictured Cliffs Sandstone: 1,650'
Lewis Shale: 1,840'
Chacra Sandstone: 2,634'
Cliff House Sandstone: 3,223'
Menefee Formation: 3,322'
Point Lookout Sandstone: 3,951'
Mancos Shale: 4,344'
Gallup Sandstone: 5,210'
Base of Greenhorn Limestone: 6,020'
Top of Graneros Shale: 6,020'
Dakota Sandstone: 6,054'
Morrison Formation: 6,329'
Todilto Limestone: 7,192'
Entrada Sandstone: 7,220'
Total Depth: 7,512'

No existing underground drinking water sources have been developed below the Morrison within a two mile radius. Underground sources of drinking water above the Morrison are generally alluvial and average 52' deep. The deepest bedrock aquifer is the Ojo Alamo sandstone, base of which is at 711'. There will be 5,577' vertical separation between the bottom of the lowest existing underground drinking water source and the top of the Morrison. There will be 6,173' vertical separation between the bottom of the lowest existing water well and highest proposed perforation. In addition, eight oil or gas wells within a half mile radius produce from five different oil or gas zones (Fruitland, Chacra, Mesa Verde, Gallup, and Dakota) above the Morrison.

IX. The zone will be stimulated with \approx 3,000 gallons of 7.5% HCl acid and \approx 70,000 gallons XL gel water carrying \approx 300,000 pounds 20/40 sand as needed.

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X. Schlumberger Platform Express Array Induction/Caliper/Gamma Ray/SP and Triple Litho-Density Compensated Neutron logs were run from 5,000' to 7,494' and 7,484' respectively. Copies were provided to the NMOCD.

XI. There are no water wells within two miles which penetrate or come within a vertical mile of penetrating the Morrison. Water samples (see Exhibit I) from two fresh water wells owned by the Sullivan family a half mile to a mile southeast in the south half of Section 25 follow.

<u>Zone</u>	<u>Bicarbonate</u>	<u>Calcium</u>	<u>Chloride</u>	<u>Iron</u>	<u>Magnesium</u>	<u>pH</u>	<u>Sulfate</u>	<u>IDS</u>
NW4SE4	240	380	300	0	62	7.59	2240	3990
NW4SW4	320	360	16	0	17	7.29	1130	1970

XII. XTO is not aware of any geologic or engineering data which may indicate the Morrison is in hydrologic connection with any underground sources of water. There are 5,577 feet of vertical separation and three shale zones ((Graneros (34' thick), Mancos (866' thick), and Lewis (794' thick)) which are a combined 1,694' thick between the Morrison and any underground sources of water.

XIII. Notice (this application) has been sent to the surface owner (Nicholas Ashcroft et ux, 229 County Road 4990, Bloomfield, NM 87413) and the operators of all Morrison leases (LCS, Sparks, McLane, Devon, Diamond, McMullen, Markham, Christman, Herd, McKay & CKM, and Burlington) within a half mile. The Ashcrofts own 314.31 acres. A legal ad (see Exhibit J) was published on August 14, 2002.

Cross Timbers Operated Wells

Well Name	Count	Well ID	Area	Field	Section	Row	Col	Section	County	Status
ABRAMS GAS COM A	1	3004507821	AZTEC	PICTURED CLIFFS	26I	29N	10W	SAN JUAN	NM	
ABRAMS GAS COM A	1	3004307821	WILDCAT	FARMINGTON	26I	29N	10W	SAN JUAN	NM	
ABRAMS GAS COM C	1	3004507880	AZTEC	PICTURED CLIFFS	25F	29N	10W	SAN JUAN	NM	
ABRAMS GAS COM D	1	3004507822	AZTEC	FRUITLAND	29I	29N	10W	SAN JUAN	NM	
ABRAMS GAS COM D	1	3004507822	AZTEC	PICTURED CLIFFS	29I	29N	10W	SAN JUAN	NM	
ABRAMS GAS COM E	1	3004507815	BASIN	DAKOTA	30I	29N	10W	SAN JUAN	NM	
ABRAMS GAS COM E	1E	3004524733	BASIN	DAKOTA	30M	29N	10W	SAN JUAN	NM	
ABRAMS GAS COM G	1	3004524955	OTERO	CHACRA	30I	29N	10W	SAN JUAN	NM	
ABRAMS GAS COM G	1	3004524955	AZTEC	PICTURED CLIFFS	30I	29N	10W	SAN JUAN	NM	
ABRAMS GAS COM J	1	3004525898	BLANCO	MESAVERDE	25D	29N	10W	SAN JUAN	NM	
ABRAMS GAS COM M	1	3004526166	OTERO	CHACRA	26I	29N	10W	SAN JUAN	NM	
ABRAMS J	1	3004525521	OTERO	CHACRA	29I	29N	10W	SAN JUAN	NM	
ABRAMS J	1	3004525521	ARMENTA	GALLUP	29I	29N	10W	SAN JUAN	NM	
ABRAMS L	1	3004525670	ARMENTA	GALLUP	26M	29N	10W	SAN JUAN	NM	
ABRAMS L	1	3004525670	BLANCO	MESAVERDE	26M	29N	10W	SAN JUAN	NM	
ABRAMS L	1A	3004525616	ARMENTA	GALLUP	26I	29N	10W	SAN JUAN	NM	
ABRAMS L	1A	3004525616	BLANCO	MESAVERDE	26I	29N	10W	SAN JUAN	NM	
ANDERSON GAS COM A	1	3004524954	OTERO	CHACRA	28C	29N	10W	SAN JUAN	NM	
ANDERSON GAS COM A	1	3004524954	AZTEC	PICTURED CLIFFS	28C	29N	10W	SAN JUAN	NM	
ANDERSON GAS COM B	1	3004526168	OTERO	CHACRA	28K	29N	10W	SAN JUAN	NM	
ANGEL PEAK COMPRESSOR CDP										
ARMENTA COM F (recompl to C #1A)	1	3004525671	ARMENTA	GALLUP	27H	29N	10W	SAN JUAN	NM	
ARMENTA GAS COM A	1	3004507926	AZTEC	PICTURED CLIFFS	27D	29N	10W	SAN JUAN	NM	
ARMENTA GAS COM C	1A	3004525671	BLANCO	MESAVERDE	27H	29N	10W	SAN JUAN	NM	
ARMENTA GAS COM C	1E	3004523856	BASIN	DAKOTA	27C	29N	10W	SAN JUAN	NM	
ARMENTA GAS COM C	1E	3004523856	BLANCO	MESAVERDE	27C	29N	10W	SAN JUAN	NM	
ARMENTA GAS COM C	1R		BLANCO	MESAVERDE	27	29N	10W	SAN JUAN	NM	
ARMENTA GAS COM C	1R		BASIN	DAKOTA	27	29N	10W	SAN JUAN	NM	
ARMENTA GAS COM G	1		BASIN	FRUITLAND COAL	27	29N	10W	SAN JUAN	NM	
ASHCROFT SWD	1				26B	29N	11W	SAN JUAN	NM	
AZTEC COM 2	1	3004509514	AZTEC	PICTURED CLIFFS	16F	30N	11W	SAN JUAN	NM	
AZTEC COM 3	1	3004509515	AZTEC	PICTURED CLIFFS	16H	30N	11W	SAN JUAN	NM	
AZTEC COM 4	1	3004530272	BASIN/BLANCO	DK/MV	16F	30N	11W	SAN JUAN	NM	
AZTEC COM 4	1E	3004530273	BASIN/BLANCO	DK/MV	16M	30N	11W	SAN JUAN	NM	
AZTEC GAS COM	1	3004506906	BASIN	DAKOTA	02D	27N	10W	SAN JUAN	NM	
BACA GAS COM A	1	3004526110	BLANCO	MESAVERDE	26H	29N	10W	SAN JUAN	NM	
BACA GAS COM A	1	3004526110	OTERO	CHACRA	26H	29N	10W	SAN JUAN	NM	
BACA GAS COM A	1A	3004526180	BLANCO	MESAVERDE	26F	29N	10W	SAN JUAN	NM	
BACA GAS COM A	1A	3004526180	OTERO	CHACRA	26F	29N	10W	SAN JUAN	NM	
BASSETT	1R		BASIN	DAKOTA	33C	30N	10W	SAN JUAN	NM	
BASSETT	1R		BLANCO	MESAVERDE	33C	30N	10W	SAN JUAN	NM	
BASSETT	2	3004509074	AZTEC	PICTURED CLIFFS	33G	30N	10W	SAN JUAN	NM	
BASSETT B	1	3004524194	BLANCO	MESAVERDE	33E	30N	10W	SAN JUAN	NM	
BASSETT B	1M	3004524918	BLANCO	MESAVERDE	33L	30N	10W	SAN JUAN	NM	
BASSETT COM	1B	3004530302	BLANCO	MESAVERDE	33K	30N	10W	SAN JUAN	NM	
BASSETT COM	1M	3004524918	BASIN	DAKOTA	33L	30N	10W	SAN JUAN	NM	
BAYVIEW RIDDLE GAS COM	1	3004506582	BASIN	DAKOTA	18A	27N	12W	SAN JUAN	NM	
BEACH COM	1	3004507827	ARMENTA	GALLUP	26K	29N	10W	SAN JUAN	NM	
BEACH COM	1	3004507827	OTERO	CHACRA	26K	29N	10W	SAN JUAN	NM	
BEACH COM	1	3004507827	BASIN	DAKOTA	26K	29N	10W	SAN JUAN	NM	
BELL FEDERAL 11	1	3004530332	BASIN	FRUITLAND COAL	11A	30N	13W	SAN JUAN	NM	
BELL FEDERAL 12	1	3004530337	BASIN	FRUITLAND COAL	12B	30N	13W	SAN JUAN	NM	
BELL FEDERAL GAS COM A	1	3004509768	BASIN	DAKOTA	12B	30N	13W	SAN JUAN	NM	
BELL FEDERAL GAS COM A	1E	3004525614	BASIN	DAKOTA	12E	30N	13W	SAN JUAN	NM	
BELL FEDERAL GAS COM B	1	3004509772	BASIN	DAKOTA	11A	30N	13W	SAN JUAN	NM	
BELL FEDERAL GAS COM B	1E	3004525643	BASIN	DAKOTA	11F	30N	13W	SAN JUAN	NM	
BELL JF	1E	3004525613	BASIN	DAKOTA	10P	30N	13W	SAN JUAN	NM	
BELL JF	2	3004511809	BASIN	DAKOTA	03B	30N	13W	SAN JUAN	NM	
BELL JF	2E	3004525266	BASIN	DAKOTA	03P	30N	13W	SAN JUAN	NM	
BERGER	2E	3004524752	BASIN	DAKOTA	23K	26N	11W	SAN JUAN	NM	
BERGER	3	3004505740	BASIN	DAKOTA	22I	26N	11W	SAN JUAN	NM	
BERGER	3	3004505740	GALLEGOS	GALLUP	22I	26N	11W	SAN JUAN	NM	
BERGER	4	3004505792	BASIN	DAKOTA	22C	26N	11W	SAN JUAN	NM	
BERGER	4	3004505792	GALLEGOS	GALLUP	22C	26N	11W	SAN JUAN	NM	
BERGER	4E		BASIN	DAKOTA	22A	26N	11W	SAN JUAN	NM	
BERGER	5	3004505821	BASIN	DAKOTA	14O	26N	11W	SAN JUAN	NM	
BERGER A	1	3004513035	BASIN	DAKOTA	21J	26N	11W	SAN JUAN	NM	
BERGIN GAS COM	1	3004508099	BASIN	DAKOTA	21B	29N	11W	SAN JUAN	NM	
BERGIN GAS COM	1E	3004523756	BASIN	DAKOTA	21F	29N	11W	SAN JUAN	NM	
BISCUIT FEDERAL	1	3003925539	CHOZA MESA	PICTURED CLIFFS	36B	28N	04W	RIO ARRIBA	NM	
BLACK GAS COM	1	3004507899	BASIN	DAKOTA	29C	29N	10W	SAN JUAN	NM	
BLACK GAS COM	1E	3004523857	BASIN	DAKOTA	29G	29N	10W	SAN JUAN	NM	
BLANCO	13	3004506857	BLANCO S	PICTURED CLIFFS	01G	27N	08W	SAN JUAN	NM	
BLANCO	14	3004506856	BLANCO	MESAVERDE	01G	27N	08W	SAN JUAN	NM	
BOLACK 2	1	3004528786	BASIN	FRUITLAND COAL	02G	27N	11W	SAN JUAN	NM	

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BOLACK A	1E	3004525747	BASIN	DAKOTA	02F	27N	11W	SAN JUAN	NM
BOLACK B	4	3004511820	BASIN	DAKOTA	300	27N	08W	SAN JUAN	NM
BOLACK B	5	3004511823	BASIN	DAKOTA	31J	27N	08W	SAN JUAN	NM
BOLACK B LS	4	3004506600	BLANCO	MESAVERDE	12N	27N	08W	SAN JUAN	NM
BOLACK C	1	3004506273	BLANCO S	PICTURED CLIFFS	28A	27N	08W	SAN JUAN	NM
BOLACK C	10	3004506271	BLANCO	MESAVERDE	28A	27N	08W	SAN JUAN	NM
BOLACK C	10A	3004529241	BLANCO	MESAVERDE	28J	27N	08W	SAN JUAN	NM
BOLACK C	10B	3004530657	BLANCO	MESAVERDE	28H	27N	08W	SAN JUAN	NM
BOLACK C	11	3004506227	BLANCO S	PICTURED CLIFFS	28K	27N	08W	SAN JUAN	NM
BOLACK C	11	3004506227	BLANCO	MESAVERDE	28K	27N	08W	SAN JUAN	NM
BOLACK C	11A	3004529249	BLANCO	MESAVERDE	28D	27N	08W	SAN JUAN	NM
BOLACK C	11B	3004530628	BLANCO	MESAVERDE	28F	27N	08W	SAN JUAN	NM
BOLACK C	12	3004506277	BLANCO S	PICTURED CLIFFS	29A	27N	08W	SAN JUAN	NM
BOLACK C	12	3004506277	BLANCO	MESAVERDE	29A	27N	08W	SAN JUAN	NM
BOLACK C	12A	3004526552	BLANCO	MESAVERDE	29J	27N	08W	SAN JUAN	NM
BOLACK C	13	3004506200	BLANCO	MESAVERDE	29M	27N	08W	SAN JUAN	NM
BOLACK C	13	3004506200	BLANCO S	PICTURED CLIFFS	29M	27N	08W	SAN JUAN	NM
BOLACK C	13A	3004529250	BLANCO	MESAVERDE	29D	27N	08W	SAN JUAN	NM
BOLACK C	14	3004506281	BLANCO S	PICTURED CLIFFS	30B	27N	08W	SAN JUAN	NM
BOLACK C	14	3004506281	BLANCO	MESAVERDE	30B	27N	08W	SAN JUAN	NM
BOLACK C	14A	3004526553	OTERO	CHACRA	30I	27N	08W	SAN JUAN	NM
BOLACK C	14A	3004526553	BLANCO	MESAVERDE	30I	27N	08W	SAN JUAN	NM
BOLACK C	15	3004506127	BLANCO	MESAVERDE	33L	27N	08W	SAN JUAN	NM
BOLACK C	15A	3004526579	BLANCO	MESAVERDE	33D	27N	08W	SAN JUAN	NM
BOLACK C	16	3004506176	BLANCO	MESAVERDE	33A	27N	08W	SAN JUAN	NM
BOLACK C	16A	3004526662	BLANCO	MESAVERDE	33I	27N	08W	SAN JUAN	NM
BOLACK C	17	3004506274	BASIN	FRUITLAND COAL	30	27N	08W	SAN JUAN	NM
BOLACK C	18	3004530627	BASIN	FRUITLAND COAL	31G	27N	08W	SAN JUAN	NM
BOLACK C	3	3004506274	BLANCO S	PICTURED CLIFFS	29D	27N	08W	SAN JUAN	NM
BOLACK C	7	3004506143	BLANCO S	PICTURED CLIFFS	33E	27N	08W	SAN JUAN	NM
BOLACK C	9	3004506152	BLANCO S	PICTURED CLIFFS	31H	27N	08W	SAN JUAN	NM
BOLACK C	9	3004506152	BLANCO	MESAVERDE	31H	27N	08W	SAN JUAN	NM
BOLACK COM	1	3004529067	FULCHER KUTZ	PICTURED CLIFFS	02B	27N	11W	SAN JUAN	NM
BOLACK F	1	3004529233	FULCHER KUTZ	PICTURED CLIFFS	02F	27N	11W	SAN JUAN	NM
BROWN	3	3004529900	BASIN	FRUITLAND COAL	290	30N	12W	SAN JUAN	NM
BRUINGTON GAS COM	1	3004508364	BASIN	DAKOTA	14E	29N	11W	SAN JUAN	NM
BRUINGTON GAS COM	1E	3004523860	BASIN	DAKOTA	14L	29N	11W	SAN JUAN	NM
BRUINGTON GAS COM C	1	3004520374	BASIN	DAKOTA	21B	30N	11W	SAN JUAN	NM
BRUINGTON GAS COM C	1	3004520374	BLANCO	MESAVERDE	21B	30N	11W	SAN JUAN	NM
BRUINGTON GAS COM C	1A	3004530313	BLANCO	MESAVERDE	21P	30N	11W	SAN JUAN	NM
BRUINGTON GAS COM C	1E	3004525559	BASIN	DAKOTA	21D	30N	11W	SAN JUAN	NM
BRUINGTON GAS COM C	2	3004530254	BASIN	FRUITLAND COAL	21B	30N	11W	SAN JUAN	NM
BRUINGTON GAS COM D	1	3004523139	AZTEC	PICTURED CLIFFS	21A	30N	11W	SAN JUAN	NM
BYRD FROST	1	3004525533	BASIN	DAKOTA	16D	26N	08W	SAN JUAN	NM
C T STOCK	23022								
CALDWELL A	1	3004505674	BASIN	DAKOTA	27J	26N	11W	SAN JUAN	NM
CANDELARIA GAS COM C	1	3004526167	OTERO	CHACRA	27C	29N	10W	SAN JUAN	NM
CANYON	1	3004521247	BASIN	DAKOTA	100	25N	11W	SAN JUAN	NM
CANYON	11	3004521393	BASIN	DAKOTA	11G	25N	11W	SAN JUAN	NM
CANYON	11E	3004529334	BASIN	DAKOTA	110	25N	11W	SAN JUAN	NM
CANYON	12	3004521499	BASIN	DAKOTA	13A	25N	11W	SAN JUAN	NM
CANYON	12E	3004529270	BASIN	DAKOTA	13E	25N	11W	SAN JUAN	NM
CANYON	17	3004521508	BASIN	DAKOTA	25A	25N	11W	SAN JUAN	NM
CANYON	19	3004522047	BASIN	DAKOTA	02P	25N	11W	SAN JUAN	NM
CANYON	19E	3004529212	BASIN	DAKOTA	02K	25N	11W	SAN JUAN	NM
CANYON	1E	3004529683	BASIN	DAKOTA	10G	25N	11W	SAN JUAN	NM
CANYON	2	3004522129	BASIN	DAKOTA	09I	25N	11W	SAN JUAN	NM
CANYON	20	3004522048	BASIN	DAKOTA	13M	25N	11W	SAN JUAN	NM
CANYON	20E	3004529684	BASIN	DAKOTA	13J	25N	11W	SAN JUAN	NM
CANYON	2E	3004529696	BASIN	DAKOTA	08B	25N	11W	SAN JUAN	NM
CANYON	3	3004521314	BASIN	DAKOTA	05G	25N	11W	SAN JUAN	NM
CANYON	5	3004521315	BASIN	DAKOTA	030	25N	11W	SAN JUAN	NM
CANYON	6	3004521300	BASIN	DAKOTA	11M	25N	11W	SAN JUAN	NM
CANYON	6E	3004529154	BASIN	DAKOTA	11D	25N	11W	SAN JUAN	NM
CANYON	7	3004521421	BASIN	DAKOTA	150	25N	11W	SAN JUAN	NM
CANYON	7E	3004529710	BASIN	DAKOTA	15H	25N	11W	SAN JUAN	NM
CANYON	8	3004521384	BASIN	DAKOTA	14G	25N	11W	SAN JUAN	NM
CANYON	8E	3004529697	BASIN	DAKOTA	14D	25N	11W	SAN JUAN	NM
CANYON	9	3004521417	BASIN	DAKOTA	01H	25N	11W	SAN JUAN	NM
CANYON	9E	3004529333	BASIN	DAKOTA	01F	25N	11W	SAN JUAN	NM
CARSON FEDERAL G	1	3003925444	CHOZA MESA	PICTURED CLIFFS	25G	28N	04W	RIO ARRIBA	NM
CARSON FEDERAL H	1	3003925330	BLANCO	MESAVERDE	04H	29N	04W	RIO ARRIBA	NM
CARSON FEDERAL I	1	3003925533	BLANCO	MESAVERDE	34H	28N	04W	RIO ARRIBA	NM
CARSON FEDERAL I	1A	3003926198	BLANCO	MESAVERDE	34E	28N	04W	RIO ARRIBA	NM
CARSON FEDERAL I	1R	3003926505	BLANCO	MESAVERDE	34H	28N	04W	RIO ARRIBA	NM
CARSON GAS COM	1E	3004525508	BASIN	DAKOTA	32F	30N	12W	SAN JUAN	NM

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CHAVEZ GAS COM B	1	3004508004	AZTEC	PICTURED CLIFFS	23I	29N	10W	SAN JUAN	NM
CHAVEZ GAS COM C	1M		BASIN	DAKOTA	23M	29N	10W	SAN JUAN	NM
CHAVEZ GAS COM C	1M		BLANCO	MESAVERDE	23M	29N	10W	SAN JUAN	NM
CHAVEZ GAS COM C	1R	3004523162	BASIN	DAKOTA	23J	29N	10W	SAN JUAN	NM
CHAVEZ GAS COM F	1	3004526252	OTERO	CHACRA	23J	29N	10W	SAN JUAN	NM
CHRISMAN GAS COM	1	3004509680	BLANCO	MESAVERDE	11L	30N	12W	SAN JUAN	NM
CHRISMAN GAS COM	1E	3004525206	BASIN	DAKOTA	11D	30N	12W	SAN JUAN	NM
CHRISMAN GAS COM	1E	3004525206	FLORA VISTA	GALLUP	11D	30N	12W	SAN JUAN	NM
CHRISMAN GAS COM	2	3004530089	BASIN	FRUITLAND COAL	11L	30N	12W	SAN JUAN	NM
CLOYD COOPER	1	3004525886	OTERO	CHACRA	15G	29N	11W	SAN JUAN	NM
COOPER GAS COM	1	3004508370	BASIN	DAKOTA	15B	29N	11W	SAN JUAN	NM
COOPER GAS COM	1E	3004524162	OTERO	CHACRA	15J	29N	11W	SAN JUAN	NM
COOPER GAS COM	1E	3004524162	BASIN	DAKOTA	15J	29N	11W	SAN JUAN	NM
CORSCOT, RUBY A	1	3004529707	BASIN	FRUITLAND COAL	25N	30N	12W	SAN JUAN	NM
CUCCIA COM	1	3004506125	BALLARD	PICTURED CLIFFS	32I	27N	08W	SAN JUAN	NM
CUCCIA STATE COM	2	3004506175	BLANCO S	PICTURED CLIFFS	32D	27N	08W	SAN JUAN	NM
CUCCIA STATE COM	7	3004529644	BASIN	FRUITLAND COAL	32K	27N	08W	SAN JUAN	NM
DALSANT A	3	3004528618	BASIN	FRUITLAND COAL	24B	32N	12W	SAN JUAN	NM
DANBURG GAS COM B	1	3004509336	BASIN	DAKOTA	21I	30N	12W	SAN JUAN	NM
DANBURG GAS COM B	1E	3004525251	BASIN	DAKOTA	21A	30N	12W	SAN JUAN	NM
DAVIDSON A	1	3004507365	FULCHER KUTZ	PICTURED CLIFFS	21A	28N	10W	SAN JUAN	NM
DAVIDSON GAS COM F	1	3004507110	BASIN	DAKOTA	28M	28N	10W	SAN JUAN	NM
DAVIDSON GAS COM F	1E	3004524113	BASIN	DAKOTA	28F	28N	10W	SAN JUAN	NM
DAVIDSON GAS COM G	1	3004507325	BASIN	DAKOTA	21H	28N	10W	SAN JUAN	NM
DAVIDSON GAS COM G	1E	3004523991	BASIN	DAKOTA	21O	28N	10W	SAN JUAN	NM
DAVIDSON GAS COM H	1	3004507347	BASIN	DAKOTA	22H	28N	10W	SAN JUAN	NM
DAVIDSON GAS COM H	1E	3004523992	BASIN	DAKOTA	22C	28N	10W	SAN JUAN	NM
DAVIDSON GAS COM H	1E	3004523992	OTERO	CHACRA	22C	28N	10W	SAN JUAN	NM
DAVIDSON, JC	1	3004507213	KUTZ	FRUITLAND	28D	28N	10W	SAN JUAN	NM
DAVIDSON, JC	2	3004521054	FULCHER KUTZ	PICTURED CLIFFS	28E	28N	10W	SAN JUAN	NM
DAVIDSON, JC	2R	3004530232	FULCHER KUTZ	PICTURED CLIFFS	28F	28N	10W	SAN JUAN	NM
DAVIDSON, JC A	CDP								
DAVIDSON, JC C	1	3004507126	FULCHER KUTZ	PICTURED CLIFFS	28M	28N	10W	SAN JUAN	NM
DAVIDSON, JC E	1	3004507276	FULCHER KUTZ	PICTURED CLIFFS	22M	28N	10W	SAN JUAN	NM
DAVIS GAS COM F	1	3004507825	BASIN	DAKOTA	27I	29N	11W	SAN JUAN	NM
DAVIS GAS COM F	1E	3004524084	OTERO	CHACRA	27H	29N	11W	SAN JUAN	NM
DAVIS GAS COM F	1E	3004524084	BASIN	DAKOTA	27H	29N	11W	SAN JUAN	NM
DAVIS GAS COM F	1R		BASIN	DAKOTA	27P	29N	11W	SAN JUAN	NM
DAVIS GAS COM F	1R				16	30N	11W	SAN JUAN	NM
DAVIS GAS COM G	1	3004523554	OTERO	CHACRA	27I	29N	11W	SAN JUAN	NM
DAVIS GAS COM J	1	3004525329	OTERO	CHACRA	26F	29N	11W	SAN JUAN	NM
DAVIS GAS COM J	1	3004525329	BLANCO	MESAVERDE	26F	29N	11W	SAN JUAN	NM
DAWSON A	1	3004520050	BASIN	DAKOTA	04N	27N	08W	SAN JUAN	NM
DAWSON A	1	3004520050	BLANCO	MESAVERDE	04N	27N	08W	SAN JUAN	NM
DAWSON A	1M	3004524096	BASIN	DAKOTA	04D	27N	08W	SAN JUAN	NM
DAWSON A	1M	3004524096	BLANCO	MESAVERDE	04D	27N	08W	SAN JUAN	NM
DAWSON FEDERAL	1	3004511873	BASIN	DAKOTA	26D	27N	08W	SAN JUAN	NM
DAWSON FEDERAL	1	3004511873	BLANCO	MESAVERDE	26D	27N	08W	SAN JUAN	NM
DAWSON FEDERAL	1B		BLANCO	MESAVERDE	26L	27N	08W	SAN JUAN	NM
DAWSON FEDERAL	1B				26L	27N	08W	SAN JUAN	NM
DAWSON FEDERAL	1M	3004524791	BLANCO	MESAVERDE	26N	27N	08W	SAN JUAN	NM
DAWSON FEDERAL	1M	3004524791	BASIN	DAKOTA	26N	27N	08W	SAN JUAN	NM
DAY GAS COM	1	3004507567	BASIN	DAKOTA	07P	28N	10W	SAN JUAN	NM
DAY GAS COM	1E	3004525731	BASIN	DAKOTA	07M	28N	10W	SAN JUAN	NM
DAY GAS COM A	1R	3004530036	FULCHER KUTZ	PICTURED CLIFFS	18I	28N	10W	SAN JUAN	NM
DAY, JF B	1R		FULCHER KUTZ	PICTURED CLIFFS	17N	28N	10W	SAN JUAN	NM
DAY, JF B	2R	3004530082	FULCHER KUTZ	PICTURED CLIFFS	07P	28N	10W	SAN JUAN	NM
DAY, JF C	2	3004507273	FULCHER KUTZ	PICTURED CLIFFS	20P	28N	10W	SAN JUAN	NM
DAY, JF C	2R	3004530054	FULCHER KUTZ	PICTURED CLIFFS	20O	28N	10W	SAN JUAN	NM
DAY, JF D	1	3004507378	BASIN	DAKOTA	20B	28N	10W	SAN JUAN	NM
DAY, JF D	1E	3004523990	OTERO	CHACRA	20P	28N	10W	SAN JUAN	NM
DAY, JF D	1E	3004523990	BASIN	DAKOTA	20P	28N	10W	SAN JUAN	NM
DAY, JF E	1	3004507442	BASIN	DAKOTA	17L	28N	10W	SAN JUAN	NM
DAY, JF E	1E	3004525615	BASIN	DAKOTA	17E	28N	10W	SAN JUAN	NM
DROLET	1	3004505678	BASIN	DAKOTA	28I	26N	11W	SAN JUAN	NM
DRYDEN	2	3004506673	BLANCO S	PICTURED CLIFFS	12G	27N	08W	SAN JUAN	NM
DRYDEN	4	3004506675	BLANCO	MESAVERDE	12H	27N	08W	SAN JUAN	NM
DRYDEN	4A	3004526661	BLANCO	MESAVERDE	12F	27N	08W	SAN JUAN	NM
DUFF GAS COM	1	3004509071	BASIN	DAKOTA	34D	30N	12W	SAN JUAN	NM
DUFF GAS COM	1E	3004526141	BASIN	DAKOTA	34G	30N	12W	SAN JUAN	NM
DUFF GAS COM	3	3004530544	FLORA VISTA	MESAVERDE	27P	30N	12W	SAN JUAN	NM
DUFF GAS COM C	1	3004509134	BASIN	DAKOTA	27M	30N	12W	SAN JUAN	NM
DUFF GAS COM C	1E	3004526076	BASIN	DAKOTA	27P	30N	12W	SAN JUAN	NM
DUFF GAS COM C	2	3004529664	BASIN	FRUITLAND COAL	27P	30N	12W	SAN JUAN	NM
EATON A	1E	3004524437	OTERO	CHACRA	25B	29N	11W	SAN JUAN	NM
EATON A	1E	3004524437	BASIN	DAKOTA	25B	29N	11W	SAN JUAN	NM

Cross Timbers Operated Wells

EATON A	1E	3004524437	BLANCO	MESAVERDE	25B	20N	11W	SAN JUAN	NM
ELLIOTT, ANNIE L. B	5E	3004525594	BASIN	DAKOTA	10P	20N	09W	SAN JUAN	
ELLIOTT, ANNIE L. B	6E	3004525716	BASIN	DAKOTA	10D	20N	09W	SAN JUAN	
FEASEL A	1	3004507035	FULCHER KUTZ	PICTURED CLIFFS	32E	28N	10W	SAN JUAN	NM
FEASEL, FRED A	1	3004506996	FULCHER KUTZ	PICTURED CLIFFS	32I	28N	10W	SAN JUAN	NM
FEASEL, FRED B	1	3004507088	FULCHER KUTZ	PICTURED CLIFFS	32A	28N	10W	SAN JUAN	NM
FEASEL, FRED C	1	3004506985	FULCHER KUTZ	PICTURED CLIFFS	33J	28N	10W	SAN JUAN	NM
FEASEL, FRED E	1	3004506986	FULCHER KUTZ	PICTURED CLIFFS	32K	28N	10W	SAN JUAN	NM
FEASEL, FRED F	1R	3004530053	FULCHER KUTZ	PICTURED CLIFFS	02O	27N	10W	SAN JUAN	
FEASEL, FRED G	1	3004506842	BASIN	DAKOTA	02K	27N	10W	SAN JUAN	NM
FEASEL, FRED G	1E	3004524724	BASIN	DAKOTA	02O	27N	10W	SAN JUAN	NM
FEASEL, FRED H	1	3004507032	BASIN	DAKOTA	33H	28N	10W	SAN JUAN	NM
FEASEL, FRED H	1E	3004524670	BASIN	DAKOTA	33O	28N	10W	SAN JUAN	NM
FEASEL, FRED J	1	3004507031	BASIN	DAKOTA	34G	28N	10W	SAN JUAN	NM
FEASEL, FRED J	1E	3004524485	BASIN	DAKOTA	34O	28N	10W	SAN JUAN	NM
FEASEL, FRED L	1	3004507030	BASIN	DAKOTA	32H	28N	10W	SAN JUAN	NM
FEASEL, FRED L	1E	3004524727	BASIN	DAKOTA	32I	28N	10W	SAN JUAN	NM
FEDERAL A	1	3004506995	BASIN	DAKOTA	32K	28N	10W	SAN JUAN	NM
FEDERAL A	1E	3004529924	BASIN	DAKOTA	32E	28N	10W	SAN JUAN	NM
FEDERAL E	1	3004507481	BASIN	DAKOTA	17G	28N	10W	SAN JUAN	NM
FEDERAL E	1E	3004530352	BASIN	DAKOTA	17O	28N	10W	SAN JUAN	NM
FEDERAL F	1	3004506533	BASIN	DAKOTA	16H	27N	10W	SAN JUAN	NM
FEDERAL F	1E	3004530355	BASIN	DAKOTA	16P	27N	10W	SAN JUAN	NM
FEDERAL F	2	3004506867	BASIN	DAKOTA	04H	27N	10W	SAN JUAN	NM
FEDERAL F	2E	3004530356	BASIN	DAKOTA	04O	27N	10W	SAN JUAN	NM
FEDERAL GAS COM	1	3004507196	BASIN	DAKOTA	28A	28N	10W	SAN JUAN	NM
FEDERAL GAS COM	1E	3004530357	BASIN	DAKOTA	28J	28N	10W	SAN JUAN	NM
FEDERAL GAS COM	2	3004507122	BASIN	DAKOTA	27M	28N	10W	SAN JUAN	NM
FEDERAL GAS COM	2E		BASIN	DAKOTA	27F	28N	10W	SAN JUAN	NM
FEDERAL GAS COM 1	1	3004560067	BLANCO	MESAVERDE	20H	32N	12W	SAN JUAN	NM
FEDERAL GAS COM 1	1A	3004523944	BLANCO	MESAVERDE	20F	32N	12W	SAN JUAN	NM
FEDERAL GAS COM 1	1B	3004530032	BLANCO	MESAVERDE	20B	32N	12W	SAN JUAN	NM
FEDERAL GAS COM 1	1C	3004530144	BLANCO	MESAVERDE	20D	32N	12W	SAN JUAN	NM
FEDERAL GAS COM 1	2	3004529816	BASIN	FRUITLAND COAL	20B	32N	12W	SAN JUAN	NM
FEDERAL GAS COM 3	1	3004507973	AZTEC	PICTURED CLIFFS	23N	29N	10W	SAN JUAN	NM
FEDERAL GAS COM D	1	3004509252	BASIN	DAKOTA	30D	30N	12W	SAN JUAN	NM
FEDERAL GAS COM D	1E	3004523737	BASIN	DAKOTA	30H	30N	12W	SAN JUAN	NM
FEDERAL GAS COM E	1	3004509164	BASIN	DAKOTA	30L	30N	12W	SAN JUAN	NM
FEDERAL GAS COM E	1E	3004523882	BASIN	DAKOTA	30I	30N	12W	SAN JUAN	NM
FEDERAL GAS COM E	2	3004529953	BASIN	FRUITLAND COAL	30L	30N	12W	SAN JUAN	NM
FEDERAL GAS COM F	1	3004506748	BASIN	DAKOTA	07A	27N	12W	SAN JUAN	NM
FEDERAL GAS COM F	1E	3004525245	BASIN	DAKOTA	07O	27N	12W	SAN JUAN	NM
FEDERAL GAS COM H	1	3004512053	BASIN	DAKOTA	31C	30N	12W	SAN JUAN	NM
FEDERAL GAS COM H	1E	3004526122	BASIN	DAKOTA	31G	30N	12W	SAN JUAN	NM
FEDERAL GAS COM H	2	3004529705	BASIN	FRUITLAND COAL	31G	30N	12W	SAN JUAN	NM
FEDERAL GAS COM J	1	3004511711	BASIN	DAKOTA	24H	27N	12W	SAN JUAN	NM
FEDERAL GAS COM J	1E	3004526115	BASIN	DAKOTA	24D	27N	12W	SAN JUAN	NM
FEDERAL GAS COM K	1	3004520264	BASIN	DAKOTA	07D	27N	12W	SAN JUAN	NM
FEDERAL H	1	3004506665	BASIN	DAKOTA	09L	27N	10W	SAN JUAN	NM
FEDERAL H	1E		BASIN	DAKOTA	09D	27N	10W	SAN JUAN	NM
FLORANCE	4	3004506472	BLANCO	MESAVERDE	18K	27N	08W	SAN JUAN	NM
FLORANCE	4A	3004526591	BLANCO	MESAVERDE	18D	27N	08W	SAN JUAN	NM
FLORANCE	4A	3004526591	OTERO	CHACRA	18D	27N	08W	SAN JUAN	NM
FLORANCE	62	3004511729	BLANCO	MESAVERDE	20C	27N	08W	SAN JUAN	NM
FLORANCE	62	3004511729	BASIN	DAKOTA	20C	27N	08W	SAN JUAN	NM
FLORANCE	62M	3004529273	BASIN	DAKOTA	20G	27N	08W	SAN JUAN	NM
FLORANCE	62M	3004529273	BLANCO	MESAVERDE	20G	27N	08W	SAN JUAN	NM
FLORANCE	63E	3004524595	BASIN	DAKOTA	17B	27N	08W	SAN JUAN	NM
FLORANCE	63E	3004524595	BLANCO	MESAVERDE	17B	27N	08W	SAN JUAN	NM
FLORANCE	63M	3004511871	BASIN	DAKOTA	17E	27N	08W	SAN JUAN	NM
FLORANCE	63M	3004511871	BLANCO	MESAVERDE	17E	27N	08W	SAN JUAN	NM
FLORANCE	64	3004511872	BLANCO	MESAVERDE	17O	27N	08W	SAN JUAN	NM
FLORANCE	64	3004511872	BASIN	DAKOTA	17O	27N	08W	SAN JUAN	NM
FLORANCE	65	3004511921	BASIN	DAKOTA	18E	27N	08W	SAN JUAN	NM
FLORANCE	66	3004511829	BLANCO	MESAVERDE	18O	27N	08W	SAN JUAN	NM
FLORANCE	66	3004511829	OTERO	CHACRA	18O	27N	08W	SAN JUAN	NM
FLORANCE	66	3004511829	BASIN	DAKOTA	18O	27N	08W	SAN JUAN	NM
FLORANCE	66E	3004525585	BASIN	DAKOTA	18B	27N	08W	SAN JUAN	NM
FLORANCE	67	3004511822	BASIN	DAKOTA	19O	27N	08W	SAN JUAN	NM
FLORANCE	67	3004511822	BLANCO	MESAVERDE	19O	27N	08W	SAN JUAN	NM
FLORANCE	67	3004511822	OTERO	CHACRA	19O	27N	08W	SAN JUAN	NM
FLORANCE	68	3004511782	BASIN	DAKOTA	20O	27N	08W	SAN JUAN	NM
FLORANCE	68	3004511782	WILDCAT	GALLUP	20O	27N	08W	SAN JUAN	NM
FLORANCE	69	3004529687	BASIN	FRUITLAND COAL	19B	27N	08W	SAN JUAN	NM
FLORANCE	69R		BASIN	FRUITLAND COAL	19O	27N	08W	SAN JUAN	NM
FLORANCE	70	3004529718	BLANCO S	PICTURED CLIFFS	20F	27N	08W	SAN JUAN	NM

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FLORANCE	70	3004529718	BASIN	FRUITLAND COAL	20F	27N	08W	SAN JUAN	NM
FLORANCE D	1	3004506342	BLANCO S	PICTURED CLIFFS	21I	27N	08W	SAN JUAN	NM
FLORANCE D	11	3004506528	BLANCO	MESAVERDE	18G	27N	08W	SAN JUAN	NM
FLORANCE D	11	3004506528	BLANCO S	PICTURED CLIFFS	18G	27N	08W	SAN JUAN	NM
FLORANCE D	12	3004506416	BLANCO S	PICTURED CLIFFS	19B	27N	08W	SAN JUAN	NM
FLORANCE D	12	3004506416	BLANCO	MESAVERDE	19B	27N	08W	SAN JUAN	NM
FLORANCE D	13	3004506345	BLANCO S	PICTURED CLIFFS	20K	27N	08W	SAN JUAN	NM
FLORANCE D	13	3004506345	BLANCO	MESAVERDE	20K	27N	08W	SAN JUAN	NM
FLORANCE D	14	3004506347	BLANCO	MESAVERDE	21K	27N	08W	SAN JUAN	NM
FLORANCE D	14	3004506347	BLANCO S	PICTURED CLIFFS	21K	27N	08W	SAN JUAN	NM
FLORANCE D	14	3004506347	OTERO	CHACRA	21K	27N	08W	SAN JUAN	NM
FLORANCE D	14A	3004529246	BLANCO	MESAVERDE	21I	27N	08W	SAN JUAN	NM
FLORANCE D	14B		BLANCO	MESAVERDE	21O	27N	08W	SAN JUAN	NM
FLORANCE D	15	3004506450	BLANCO S	PICTURED CLIFFS	17P	27N	08W	SAN JUAN	NM
FLORANCE D	16	3004511707	BLANCO S	PICTURED CLIFFS	20H	27N	08W	SAN JUAN	NM
FLORANCE D	17	3004520925	OTERO	CHACRA	17P	27N	08W	SAN JUAN	NM
FLORANCE D	2	3004506548	BLANCO S	PICTURED CLIFFS	17B	27N	08W	SAN JUAN	NM
FLORANCE D	3	3004506543	BLANCO S	PICTURED CLIFFS	17D	27N	08W	SAN JUAN	NM
FLORANCE D	4A	3004529258	BLANCO	MESAVERDE	20O	27N	08W	SAN JUAN	NM
FLORANCE D	5	3004506451	BLANCO S	PICTURED CLIFFS	18P	27N	08W	SAN JUAN	NM
FLORANCE D	7	3004506313	BLANCO S	PICTURED CLIFFS	19O	27N	08W	SAN JUAN	NM
FLORANCE D	9	3004506453	BLANCO	MESAVERDE	17M	27N	08W	SAN JUAN	NM
FLORANCE D	9	3004506453	BLANCO S	PICTURED CLIFFS	17M	27N	08W	SAN JUAN	NM
FLORANCE D	9	3004506453	OTERO	CHACRA	17M	27N	08W	SAN JUAN	NM
FOGELSON GAS COM	1	3004509122	BASIN	DAKOTA	26P	30N	11W	SAN JUAN	NM
FOGELSON GAS COM	1E	3004530274	BASIN	DAKOTA	26N	30N	11W	SAN JUAN	NM
FOGELSON GAS COM	1R	3004530275	BASIN	DAKOTA	26I	30N	11W	SAN JUAN	NM
FOSTER	2E (WI)	3003923243	BASIN	DAKOTA	18L	26N	07W	RIO ARRIBA	NM
FROST JACK A	1	3004506267	FULCHER KUTZ	PICTURED CLIFFS	26E	27N	10W	SAN JUAN	NM
FROST JACK B	1	3004506222	ANGELS PEAK	GALLUP	27P	27N	10W	SAN JUAN	NM
FROST JACK B	1	3004506222	BASIN	DAKOTA	27P	27N	10W	SAN JUAN	NM
FROST JACK B	1E	3004524356	ANGELS PEAK	GALLUP	27M	27N	10W	SAN JUAN	NM
FROST JACK B	1E	3004524356	BASIN	DAKOTA	27M	27N	10W	SAN JUAN	NM
FROST JACK B	2	3004506295	BASIN	DAKOTA	27D	27N	10W	SAN JUAN	NM
FROST JACK B	2E	3004524372	BASIN	DAKOTA	27H	27N	10W	SAN JUAN	NM
FROST JACK B	2E	3004524372	ANGELS PEAK	GALLUP	27H	27N	10W	SAN JUAN	NM
FROST JACK D	1	3004506266	BASIN	DAKOTA	26E	27N	10W	SAN JUAN	NM
FROST JACK D	1E	3004524667	BASIN	DAKOTA	26N	27N	10W	SAN JUAN	NM
FROST JACK GAS COM C	1	3004506232	BASIN	DAKOTA	26I	27N	10W	SAN JUAN	NM
FROST JACK GAS COM C	1E	3004525783	BASIN	DAKOTA	26H	27N	10W	SAN JUAN	NM
FROST JACK GAS COM E	1	3004511710	BASIN	DAKOTA	25D	27N	10W	SAN JUAN	NM
FROST JACK GAS COM E	1E	3004525648	BASIN	DAKOTA	25M	27N	10W	SAN JUAN	NM
FULLERTON	1	3004507081	BASIN	DAKOTA	34A	28N	13W	SAN JUAN	NM
FULLERTON	1E	3004525247	BASIN	DAKOTA	34P	28N	13W	SAN JUAN	NM
GALLEGOS	13	3004521891	BASIN	DAKOTA	35P	26N	11W	SAN JUAN	NM
GALLEGOS	4	3004521291	BASIN	DAKOTA	33O	26N	11W	SAN JUAN	NM
GALLEGOS	4E	3004529095	BASIN	DAKOTA	33N	26N	11W	SAN JUAN	NM
GALLEGOS	7	3004521353	BASIN	DAKOTA	34C	26N	11W	SAN JUAN	NM
GALLEGOS	8	3004521317	BASIN	DAKOTA	34M	26N	11W	SAN JUAN	NM
GALLEGOS	8	3004521317	BASIN	FRUITLAND COAL	34M	26N	11W	SAN JUAN	NM
GALLEGOS CANYON FEDERAL	1	3004520974	BASIN	DAKOTA	04K	25N	11W	SAN JUAN	NM
GALLEGOS CANYON FEDERAL	1E	3004529695	BASIN	DAKOTA	04E	25N	11W	SAN JUAN	NM
GALLEGOS COM	5	3004521306	BASIN	DAKOTA	32J	26N	11W	SAN JUAN	NM
GALLEGOS COM	5E	3004530560	BASIN	DAKOTA	32K	26N	11W	SAN JUAN	NM
GALLEGOS COM	6	3004521297	BASIN	DAKOTA	32F	26N	11W	SAN JUAN	NM
GALLEGOS COM	6E	3004529645	BASIN	DAKOTA	32G	26N	11W	SAN JUAN	NM
GALT, MN B	1R	3004529136	FULCHER KUTZ	PICTURED CLIFFS	06L	27N	10W	SAN JUAN	NM
GALT, MN B	1R	3004529136	BASIN	FRUITLAND COAL	06L	27N	10W	SAN JUAN	NM
GALT, MN B	1R	3004529136	BASIN	DAKOTA	06L	27N	10W	SAN JUAN	NM
GALT, MN B	1Y	3004530354	BASIN	DAKOTA	06K	27N	10W	SAN JUAN	NM
GALT, MN B	2R	3004530037	FULCHER KUTZ	PICTURED CLIFFS	06D	27N	10W	SAN JUAN	NM
GALT, MN F	1	3004506803	BASIN	FRUITLAND COAL	01M	27N	10W	SAN JUAN	NM
GALT, MN F	1R	3004530149	FULCHER KUTZ	PICTURED CLIFFS	01L	27N	10W	SAN JUAN	NM
GALT, MN F CDP				FRUITLAND COAL	01M	27N	10W	SAN JUAN	NM
GALT, MN H	1	3004506819	BASIN	DAKOTA	01L	27N	10W	SAN JUAN	NM
GALT, MN J	2	3004520365	BASIN	DAKOTA	06D	27N	10W	SAN JUAN	NM
GARCIA GAS COM B	1	3004507996	BLANCO	MESAVERDE	21H	29N	10W	SAN JUAN	NM
GARCIA GAS COM B	1	3004507996	BASIN	DAKOTA	21J	29N	10W	SAN JUAN	NM
GARCIA GAS COM B	1E	3004524649	BASIN	DAKOTA	21M	29N	10W	SAN JUAN	NM
GARCIA GAS COM B	1M		BASIN	DAKOTA	SE/4 21	29N	10W	SAN JUAN	NM
GARCIA GAS COM B	1M		BLANCO	MESAVERDE	SE/4 21	29N	10W	SAN JUAN	NM
GARTNER	1	3004513036	BASIN	DAKOTA	27D	26N	10W	SAN JUAN	NM
GERK GAS COM	1	3004507911	BLANCO	MESAVERDE	30B	29N	09W	SAN JUAN	NM
GERK GAS COM B	1	3004507886	BASIN	DAKOTA	30G	29N	09W	SAN JUAN	NM
GERK GAS COM B	1	3004507886	OTERO	CHACRA	30G	29N	09W	SAN JUAN	NM
GERK GAS COM B	1M	3004524953	BASIN	DAKOTA	19N	29N	09W	SAN JUAN	NM

EXHIBIT A

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GERK GAS COM B	1M	3004524953	BLANCO	MESAVERDE	19N	29N	09W	SAN JUAN	NM
GERK GAS COM C	1	3004520598	AZTEC	PICTURED CLIFFS	30H	29N	09W	SAN JUAN	NM
GINTHER	1	3004506586	BASIN	DAKOTA	13A	27N	13W	SAN JUAN	NM
GINTHER	1E	3004526286	BASIN	DAKOTA	13O	27N	13W	SAN JUAN	NM
GINTHER GAS COM	2E	3004524756	BASIN	DAKOTA	13E	27N	13W	SAN JUAN	NM
GONZALES GAS COM A	1	3004560259	AZTEC	PICTURED CLIFFS	20I	29N	10W	SAN JUAN	NM
GONZALES GAS COM A	1	3004560259	AZTEC	FRUITLAND	20I	29N	10W	SAN JUAN	NM
GORDON, JC A	1	3004506423	FULCHER KUTZ	PICTURED CLIFFS	22D	27N	10W	SAN JUAN	NM
GORDON, JC B	1	3004506426	FULCHER KUTZ	PICTURED CLIFFS	24C	27N	10W	SAN JUAN	NM
GORDON, JC B	2	3004506362	FULCHER KUTZ	PICTURED CLIFFS	24K	27N	10W	SAN JUAN	NM
GORDON, JC C	1	3004513237	FULCHER KUTZ	PICTURED CLIFFS	23E	27N	10W	SAN JUAN	NM
GORDON, JC C	2	3004506367	FULCHER KUTZ	PICTURED CLIFFS	23K	27N	10W	SAN JUAN	NM
GORDON, JC D	1	3004506315	BASIN	DAKOTA	22P	27N	10W	SAN JUAN	NM
GORDON, JC D	1E	3004524101	BASIN	DAKOTA	22H	27N	10W	SAN JUAN	NM
GORDON, JC D	2	3004506434	BASIN	DAKOTA	22D	27N	10W	SAN JUAN	NM
GORDON, JC D	2E	3004524100	BASIN	DAKOTA	22M	27N	10W	SAN JUAN	NM
GORDON, JC D	2E	3004524100	ANGELS PEAK	GALLUP	22M	27N	10W	SAN JUAN	NM
GORDON, JC D	3	3004513044	ANGELS PEAK	GALLUP	23K	27N	10W	SAN JUAN	NM
GORDON, JC D	3E	3004524726	BASIN	DAKOTA	23C	27N	10W	SAN JUAN	NM
GORDON, JC D	4	3004506329	BASIN	DAKOTA	23P	27N	10W	SAN JUAN	NM
GORDON, JC D	4E	3004525581	BASIN	DAKOTA	23B	27N	10W	SAN JUAN	NM
GORDON, JC D	5	3004506412	BASIN	DAKOTA	24C	27N	10W	SAN JUAN	NM
GORDON, JC D	5E	3004525626	BASIN	DAKOTA	24K	27N	10W	SAN JUAN	NM
GORDON, JC E	1	3004526860	BASIN	FRUITLAND COAL	23K	27N	10W	SAN JUAN	NM
GOTUR	1	3004525257	UTE DOME	PARADOX	08A	31N	14W	SAN JUAN	NM
GRACIA STATE 32-L	3	3004528694	BASIN	FRUITLAND COAL	32L	26N	11W	SAN JUAN	NM
GRAHAM COM	1	3004511918	BASIN	DAKOTA	09A	27N	08W	SAN JUAN	NM
GRÉGORI FEDERAL A	1	3003925278	BLANCO	MESAVERDE	27D	28N	04W	RIO ARRIBA	NM
GREGORY FEDERAL A	1A			MESAVERDE	27	28N	04W	SAN JUAN	NM
HANCOCK GAS COM	1	3004509487	BASIN	DAKOTA	15L	30N	12W	SAN JUAN	NM
HANCOCK GAS COM	1E	3004525250	BASIN	DAKOTA	15I	30N	12W	SAN JUAN	NM
HANCOCK GAS COM	2	3004530087	BASIN	FRUITLAND COAL	15L	30N	12W	SAN JUAN	NM
HANEY GAS COM B	1	3004507995	BASIN	DAKOTA	20I	29N	10W	SAN JUAN	NM
HANEY GAS COM B	1E	3004524646	BASIN	DAKOTA	20M	29N	10W	SAN JUAN	NM
HANSON	1	3004521298	BASIN	DAKOTA	06B	25N	10W	SAN JUAN	NM
HANSON	2	3004521385	BASIN	DAKOTA	06L	25N	10W	SAN JUAN	NM
HANSON	3	3004521428	BASIN	DAKOTA	05D	25N	10W	SAN JUAN	NM
HARE GAS COM B	1	3004508047	BASIN	DAKOTA	23G	29N	11W	SAN JUAN	NM
HARE GAS COM B	1E	3004523732	BASIN	DAKOTA	23E	29N	11W	SAN JUAN	NM
HARE GAS COM C	1	3004507771	BASIN	DAKOTA	25M	29N	10W	SAN JUAN	NM
HARE GAS COM C	1E	3004523566	BASIN	DAKOTA	25F	29N	10W	SAN JUAN	NM
HARE GAS COM D	1	3004508303	BASIN	DAKOTA	14I	29N	11W	SAN JUAN	NM
HARE GAS COM D	1E	3004523859	BASIN	DAKOTA	14G	29N	11W	SAN JUAN	NM
HARE GAS COM F	1	3004523549	OTERO	CHACRA	23G	29N	11W	SAN JUAN	NM
HARE GAS COM I	1	3004525891	OTERO	CHACRA	23E	29N	11W	SAN JUAN	NM
HARE GAS COM J	1	3004526056	OTERO	CHACRA	14J	29N	11W	SAN JUAN	NM
HARGRAVE, RP B	2	3004521057	BASIN	FRUITLAND COAL	04K	27N	10W	SAN JUAN	NM
HARGRAVE, RP B	2	3004521057	FULCHER KUTZ	PICTURED CLIFFS	04K	27N	10W	SAN JUAN	NM
HARGRAVE, RP D	1	3004506648	FULCHER KUTZ	PICTURED CLIFFS	09K	27N	10W	SAN JUAN	NM
HARGRAVE, RP F	2	3004521056	FULCHER KUTZ	PICTURED CLIFFS	16L	27N	10W	SAN JUAN	NM
HARGRAVE, RP F	3	3004521716	FULCHER KUTZ	PICTURED CLIFFS	16E	27N	10W	SAN JUAN	NM
HARGRAVE, RP G	1	3004506882	FULCHER KUTZ	PICTURED CLIFFS	03E	27N	10W	SAN JUAN	NM
HARGRAVE, RP H	1	3004506747	BASIN	DAKOTA	09B	27N	10W	SAN JUAN	NM
HARGRAVE, RP H	1E	3004526282	BASIN	DAKOTA	09J	27N	10W	SAN JUAN	NM
HARGRAVE, RP J	1	3004506776	BASIN	DAKOTA	03N	27N	10W	SAN JUAN	NM
HARGRAVE, RP J	1E	3004524662	BASIN	DAKOTA	03F	27N	10W	SAN JUAN	NM
HARGRAVE, RP K	1	3004506458	BASIN	DAKOTA	16M	27N	10W	SAN JUAN	NM
HARGRAVE, RP K	1E	3004525635	BASIN	DAKOTA	16C	27N	10W	SAN JUAN	NM
HARGRAVE, RP L	1	3004506801	BASIN	DAKOTA	04M	27N	10W	SAN JUAN	NM
HARGRAVE, RP L	1E	3004524877	BASIN	DAKOTA	04D	27N	10W	SAN JUAN	NM
HARGRAVE, RP M	1	3004530148	FULCHER KUTZ	PICTURED CLIFFS	09C	27N	10W	SAN JUAN	NM
HARTMAN	1R	3004530686	FULCHER KUTZ	PICTURED CLIFFS	28D	29N	11W	SAN JUAN	NM
HUBBELL	20	3004529441	FULCHER KUTZ	PICTURED CLIFFS	29P	28N	10W	SAN JUAN	NM
HUBBELL GAS COM	1	3004507151	FULCHER KUTZ	PICTURED CLIFFS	29K	28N	10W	SAN JUAN	NM
HUBBELL GAS COM	2	3004530233	BASIN	FRUITLAND COAL	29L	28N	10W	SAN JUAN	NM
HUBBELL GAS COM B	1	3004507120	BASIN	DAKOTA	30M	28N	10W	SAN JUAN	NM
HUBBELL GAS COM B	1E	3004524669	BASIN	DAKOTA	30P	28N	10W	SAN JUAN	NM
HUBBELL GAS COM C	1	3004507127	BASIN	DAKOTA	29N	28N	10W	SAN JUAN	NM
HUBBELL GAS COM C	1E	3004524114	BASIN	DAKOTA	29I	28N	10W	SAN JUAN	NM
HUBBELL, AR A	1	3004507155	FULCHER KUTZ	PICTURED CLIFFS	30K	28N	10W	SAN JUAN	NM
HUN NE PAH	1	3004521214	BASIN	DAKOTA	10E	25N	11W	SAN JUAN	NM
HUN NE PAH	1E	3004524682	BASIN	DAKOTA	10M	25N	11W	SAN JUAN	NM
JOHNSON GAS COM B	1	3004513043	BASIN	DAKOTA	21H	27N	10W	SAN JUAN	NM
JOHNSON GAS COM B	1E	3004524166	BASIN	DAKOTA	21I	27N	10W	SAN JUAN	NM
JOHNSON GAS COM D	1	3004509518	BASIN	DAKOTA	15G	30N	12W	SAN JUAN	NM
JOHNSON GAS COM D	1E	3004525265	BASIN	DAKOTA	15E	30N	12W	SAN JUAN	NM

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Cross Timbers Operated Wells

JOHNSON GAS COM D	2	3004530088	BASIN	FRUITLAND COAL	15G	30N	12W	SAN JUAN	NM
JOHNSON, EJ C	1E	3004524206	BASIN	DAKOTA	21C	27N	10W	SAN JUAN	NM
JONES GAS COM C	1E	3004524956	BASIN	DAKOTA	08E	29N	11W	SAN JUAN	NM
JONES GAS COM C	1X	3004508460	BASIN	DAKOTA	08N	29N	11W	SAN JUAN	NM
KELLY, LC	1	3004509815	BASIN	DAKOTA	05M	30N	12W	SAN JUAN	NM
KELLY, LC	10		AZTEC	PICTURED CLIFFS	05J	30N	12W	SAN JUAN	NM
KELLY, LC	1E	3004525349	BASIN	DAKOTA	05C	30N	12W	SAN JUAN	NM
KELLY, LC	2	3004509986	BASIN	DAKOTA	05B	30N	12W	SAN JUAN	NM
KELLY, LC	2E	3004525350	BASIN	DAKOTA	05I	30N	12W	SAN JUAN	NM
KELLY, LC	3	3004509934	BASIN	DAKOTA	04F	30N	12W	SAN JUAN	NM
KELLY, LC	3	3004509934	FLORA VISTA	GALLUP	04F	30N	12W	SAN JUAN	NM
KELLY, LC	3E	3004525602	BASIN	DAKOTA	04H	30N	12W	SAN JUAN	NM
KELLY, LC	3E	3004525602	FLORA VISTA	GALLUP	04H	30N	12W	SAN JUAN	NM
KELLY, LC	4E	3004525843	FLORA VISTA	GALLUP	03D	30N	12W	SAN JUAN	NM
KELLY, LC	4E	3004525843	BLANCO	MESAVERDE	03D	30N	12W	SAN JUAN	NM
KELLY, LC	4E	3004525843	BASIN	DAKOTA	03D	30N	12W	SAN JUAN	NM
KELLY, LC	5	3004509869	BASIN	DAKOTA	03I	30N	12W	SAN JUAN	NM
KELLY, LC	5	3004509869	FLORA VISTA	GALLUP	03I	30N	12W	SAN JUAN	NM
KELLY, LC	5	3004509869	BLANCO	MESAVERDE	03I	30N	12W	SAN JUAN	NM
KELLY, LC	5A	3004529252	BLANCO	MESAVERDE	03K	30N	12W	SAN JUAN	NM
KELLY, LC	5M		BLANCO	MESAVERDE	17P	32N	12W	SAN JUAN	NM
KELLY, LC	5M		BASIN	DAKOTA	17P	32N	12W	SAN JUAN	NM
KELLY, LC	6	3004520392	BLANCO	MESAVERDE	11B	30N	12W	SAN JUAN	NM
KELLY, LC	6A	3004526120	BLANCO	MESAVERDE	11D	30N	12W	SAN JUAN	NM
KELLY, LC	7	3004530188	AZTEC	PICTURED CLIFFS	04L	30N	12W	SAN JUAN	NM
KELLY, LC	7	3004530188	BASIN	FRUITLAND COAL	04L	30N	12W	SAN JUAN	NM
KELLY, LC	8	3004530665	AZTEC	PICTURED CLIFFS	03H	30N	13W	SAN JUAN	NM
KELLY, LC	9		AZTEC	PICTURED CLIFFS	03M	30N	12W	SAN JUAN	NM
KEYS GAS COM B	1	3004507743	AZTEC	PICTURED CLIFFS	32D	29N	10W	SAN JUAN	NM
KEYS GAS COM C	1	3004507785	AZTEC	PICTURED CLIFFS	29N	29N	10W	SAN JUAN	NM
KEYS GAS COM C	1	3004507785	AZTEC	FRUITLAND	29N	29N	10W	SAN JUAN	NM
KEYS GAS COM D	1	3004507797	BASIN	DAKOTA	29N	29N	10W	SAN JUAN	NM
KEYS GAS COM D	1E	3004523729	BASIN	DAKOTA	29I	29N	10W	SAN JUAN	NM
KRAUSE WN FEDERAL	1	3004506972	BASIN	DAKOTA	32M	28N	11W	SAN JUAN	NM
KRAUSE WN FEDERAL	1	3004506972	KUTZ	GALLUP	32M	28N	11W	SAN JUAN	NM
KRAUSE WN FEDERAL	1E	3004524210	BASIN	DAKOTA	32C	28N	11W	SAN JUAN	NM
KRAUSE WN FEDERAL	1R		BASIN	DAKOTA	32	28N	11W	SAN JUAN	NM
KRAUSE WN FEDERAL	1R		KUTZ	GALLUP	32	28N	11W	SAN JUAN	NM
KUTZ DEEP GAS COM D	1	3004507230	BASIN	DAKOTA	27A	28N	10W	SAN JUAN	NM
KUTZ DEEP GAS COM D	1E	3004524112	BASIN	DAKOTA	27I	28N	10W	SAN JUAN	NM
KUTZ DEEP TEST C	2	3004521055	FULCHER KUTZ	PICTURED CLIFFS	27F	28N	10W	SAN JUAN	NM
KUTZ DEEP TEST C	2	3004521055	KUTZ	FRUITLAND	27F	28N	10W	SAN JUAN	NM
KUTZ DEEP TEST INC A	1	3004507128	FULCHER KUTZ	PICTURED CLIFFS	27O	28N	10W	SAN JUAN	NM
KUTZ FEDERAL	10	3004507477	BASIN	DAKOTA	18G	28N	10W	SAN JUAN	NM
KUTZ FEDERAL	11	3004507267	BASIN	DAKOTA	20N	28N	10W	SAN JUAN	NM
KUTZ FEDERAL	11E		BASIN	DAKOTA	20C	28N	10W	SAN JUAN	NM
KUTZ FEDERAL	12	3004507255	BASIN	DAKOTA	21M	28N	10W	SAN JUAN	NM
KUTZ FEDERAL	12E	3004529779	BASIN	DAKOTA	21D	28N	10W	SAN JUAN	NM
KUTZ FEDERAL	13	3004513070	BASIN	DAKOTA	33K	28N	10W	SAN JUAN	NM
KUTZ FEDERAL B	1	3004526054	OTERO	CHACRA	22H	28N	10W	SAN JUAN	NM
KUTZ FEDERAL C	1	3004526055	OTERO	CHACRA	27G	28N	10W	SAN JUAN	NM
KUTZ FEDERAL GAS COM A	1	3004526069	OTERO	CHACRA	08M	28N	10W	SAN JUAN	NM
KUTZ FEDERAL J	1	3004511610	BASIN	DAKOTA	01B	27N	10W	SAN JUAN	NM
KUTZ FEDERAL J	2	3004506909	BASIN	DAKOTA	06B	27N	10W	SAN JUAN	NM
KUTZ FEDERAL J	2E		BASIN	DAKOTA	06I	27N	10W	SAN JUAN	NM
KUTZ FEDERAL J	2E		MESAVERDE	MESAVERDE	06I	27N	10W	SAN JUAN	NM
LEFKOVITZ GAS COM	1X	3004507921	AZTEC	PICTURED CLIFFS	25A	29N	10W	SAN JUAN	NM
LEFKOVITZ GAS COM B	1	3004507897	BASIN	DAKOTA	25A	29N	10W	SAN JUAN	NM
LEFKOVITZ GAS COM B	1A	3004525945	BLANCO	MESAVERDE	25G	29N	10W	SAN JUAN	NM
LEFKOVITZ GAS COM B	1E	3004525305	BLANCO	MESAVERDE	25P	29N	10W	SAN JUAN	NM
LEFKOVITZ GAS COM B	1E	3004525305	BASIN	DAKOTA	25P	29N	10W	SAN JUAN	NM
LITTLE STINKER	1M		BLANCO	MESAVERDE	11	30N	12W	SAN JUAN	NM
LITTLE STINKER	1M		BASIN	DAKOTA	11	30N	12W	SAN JUAN	NM
MADDOX GAS COM A	1	3004507786	AZTEC	PICTURED CLIFFS	27M	29N	10W	SAN JUAN	NM
MADDOX GAS COM B	1	3004507782	AZTEC	PICTURED CLIFFS	27O	29N	10W	SAN JUAN	NM
MADDOX GAS COM C	1	3004507773	BASIN	DAKOTA	27M	29N	10W	SAN JUAN	NM
MADDOX GAS COM C	1E	3004523728	BASIN	DAKOTA	27P	29N	10W	SAN JUAN	NM
MARTIN C FEDERAL	1	3004506916	BASIN	DAKOTA	03B	27N	10W	SAN JUAN	NM
MARTIN C FEDERAL	1E		BASIN	DAKOTA	03P	27N	10W	SAN JUAN	NM
MARTIN GAS COM	1	3004506563	BASIN	DAKOTA	15A	27N	10W	SAN JUAN	NM
MARTIN GAS COM	1E	3004524481	BASIN	DAKOTA	15J	27N	10W	SAN JUAN	NM
MARTIN GAS COM B	1	3004507051	BASIN	DAKOTA	31G	28N	10W	SAN JUAN	NM
MARTIN GAS COM B	1E	3004524880	BASIN	DAKOTA	31P	28N	10W	SAN JUAN	NM
MARTIN GAS COM B	1E	3004524880	FULCHER KUTZ	PICTURED CLIFFS	31P	28N	10W	SAN JUAN	NM
MARTIN GAS COM C	1	3004506654	BASIN	DAKOTA	11K	27N	10W	SAN JUAN	NM
MARTIN GAS COM E	1	3004506511	BASIN	DAKOTA	15L	27N	10W	SAN JUAN	NM

EXHIBIT A

Cross Timbers Operated Wells

MARTIN GAS COM E	1E	3004524236	BASIN	DAKOTA	15C	27N	10W	SAN JUAN	NM
MARTIN GAS COM F	1E	3004524725	BASIN	DAKOTA	14N	27N	10W	SAN JUAN	NM
MARTIN GAS COM F	1R	3004525625	BASIN	DAKOTA	14F	27N	10W	SAN JUAN	NM
MARTIN GAS COM G	1	3004506565	BASIN	DAKOTA	14B	27N	10W	SAN JUAN	NM
MARTIN GAS COM G	1E	3004524205	BASIN	DAKOTA	14J	27N	10W	SAN JUAN	NM
MARTIN, EE A	1	3004506493	FULCHER KUTZ	PICTURED CLIFFS	14K	27N	10W	SAN JUAN	NM
MARTIN, EE C	1	3004506562	FULCHER KUTZ	PICTURED CLIFFS	14A	27N	10W	SAN JUAN	NM
MARTINEZ GAS COM B	1	3004507991	AZTEC	PICTURED CLIFFS	24L	29N	10W	SAN JUAN	NM
MARTINEZ GAS COM F	1	3004507998	BASIN	DAKOTA	24L	29N	10W	SAN JUAN	NM
MARTINEZ GAS COM F	1E	3004523565	BASIN	DAKOTA	24P	29N	10W	SAN JUAN	NM
MARTINEZ GAS COM G	1	3004512172	BLANCO	MESAVERDE	24A	29N	10W	SAN JUAN	NM
MARTINEZ GAS COM G	1	3004512172	BASIN	DAKOTA	24A	29N	10W	SAN JUAN	NM
MARTINEZ GAS COM G	1E	3004525568	BASIN	DAKOTA	24D	29N	10W	SAN JUAN	NM
MARTINEZ GAS COM G	1E	3004525568	BLANCO	MESAVERDE	24D	29N	10W	SAN JUAN	NM
MARTINEZ GAS COM I	1	3004522954	BLANCO	MESAVERDE	24K	29N	10W	SAN JUAN	NM
MARTINEZ GAS COM I	1A	3004525944	BLANCO	MESAVERDE	24O	29N	10W	SAN JUAN	NM
MASDEN GAS COM	1	3004507894	BASIN	DAKOTA	28A	29N	11W	SAN JUAN	NM
MASDEN GAS COM	1E	3004524003	BASIN	DAKOTA	28D	29N	11W	SAN JUAN	NM
MCADAMS, CA	3	3004506905	FULCHER KUTZ	PICTURED CLIFFS	05C	27N	10W	SAN JUAN	NM
MCADAMS, CA	4	3004521058	FULCHER KUTZ	PICTURED CLIFFS	05A	27N	10W	SAN JUAN	NM
MCADAMS, CA B	1	3004506243	BASIN	DAKOTA	28J	27N	10W	SAN JUAN	NM
MCADAMS, CA B	1	3004506243	ANGELS PEAK	GALLUP	28J	27N	10W	SAN JUAN	NM
MCADAMS, CA B	1E	3004526324	BASIN	DAKOTA	28M	27N	10W	SAN JUAN	NM
MCADAMS, CA B	1E	3004526324	ANGELS PEAK	GALLUP	28M	27N	10W	SAN JUAN	NM
MCADAMS, CA B	2	3004506258	BASIN	DAKOTA	28E	27N	10W	SAN JUAN	NM
MCADAMS, CA B	2	3004506258	ANGELS PEAK	GALLUP	28E	27N	10W	SAN JUAN	NM
MCADAMS, CA B	2E	3004526323	BASIN	DAKOTA	28B	27N	10W	SAN JUAN	NM
MCADAMS, CA B	2E	3004526323	ANGELS PEAK	GALLUP	28B	27N	10W	SAN JUAN	NM
MCADAMS, CA C	1	3004506790	BASIN	DAKOTA	05P	27N	10W	SAN JUAN	NM
MCADAMS, CA C	1E	3004524663	BASIN	DAKOTA	05B	27N	10W	SAN JUAN	NM
MCADAMS, CA C	2	3004506845	BASIN	DAKOTA	05K	27N	10W	SAN JUAN	NM
MCADAMS, CA C	2E	3004524664	BASIN	DAKOTA	05F	27N	10W	SAN JUAN	NM
MCADAMS, CA D	1	3004511561	ANGELS PEAK	GALLUP	20K	27N	10W	SAN JUAN	NM
MCADAMS, CA D	1	3004511561	BASIN	DAKOTA	20K	27N	10W	SAN JUAN	NM
MCADAMS, CA D	1E	3004525637	BASIN	DAKOTA	20C	27N	10W	SAN JUAN	NM
MCADAMS, CA D	2	3004511562	BASIN	DAKOTA	20G	27N	10W	SAN JUAN	NM
MCADAMS, CA D	2	3004511562	ANGEL PEAK	GALLUP	20G	27N	10W	SAN JUAN	NM
MCADAMS, CA D	2E	3004525638	BASIN	DAKOTA	20J	27N	10W	SAN JUAN	NM
MCCARTY GAS COM B	1	3004508200	BASIN	DAKOTA	16O	29N	11W	SAN JUAN	NM
MCCARTY GAS COM B	1E	3004524001	BASIN	DAKOTA	16G	29N	11W	SAN JUAN	NM
MCCOY CDP									
MCCOY GAS COM C	1	3004509255	FLORA VISTA	MESAVERDE	28A	30N	12W	SAN JUAN	NM
MCCOY GAS COM D	1	3004509218	BASIN	DAKOTA	28H	30N	12W	SAN JUAN	NM
MCCOY GAS COM D	1E	3004524873	BASIN	DAKOTA	28E	30N	12W	SAN JUAN	NM
MCCOY GAS COM D	2	3004529665	BASIN	FRUITLAND COAL	28A	30N	12W	SAN JUAN	NM
MCDANIEL GAS COM A	1	3004507881	WILDCAT	FARMINGTON	26H	29N	10W	SAN JUAN	NM
MCDANIEL GAS COM A	1	3004507881	AZTEC	PICTURED CLIFFS	26H	29N	10W	SAN JUAN	NM
MCDANIEL GAS COM B	1	3004507867	BASIN	DAKOTA	26H	29N	10W	SAN JUAN	NM
MCDANIEL GAS COM B	1E	3004523855	BASIN	DAKOTA	26F	29N	10W	SAN JUAN	NM
MCDANIEL GAS COM B	1R	3004530612	BASIN	DAKOTA	26A	29N	10W	SAN JUAN	NM
MCDANIEL GAS COM B	1R	3004530612	BLANCO	MESAVERDE	26A	29N	10W	SAN JUAN	NM
MCGRADY GAS COM C	1	3004524374	BASIN	DAKOTA	14F	27N	12W	SAN JUAN	NM
MCGRADY GAS COM C	1E	3004526094	BASIN	FRUITLAND COAL	14B	27N	12W	SAN JUAN	NM
MCGRADY GAS COM C	1E	3004526094	BASIN	DAKOTA	14B	27N	12W	SAN JUAN	NM
MCGRADY, HB A	1	3004506507	BASIN	DAKOTA	14L	27N	12W	SAN JUAN	NM
MCGRADY, HB A	1E	3004526095	BASIN	DAKOTA	14P	27N	12W	SAN JUAN	NM
MCGRADY, HB A	1E	3004526095	BASIN	FRUITLAND COAL	14P	27N	12W	SAN JUAN	NM
MCGRADY, HB A	2	3004506402	BASIN	DAKOTA	23E	27N	12W	SAN JUAN	NM
MCGRADY, HB A	2E	3004526104	BASIN	DAKOTA	23N	27N	12W	SAN JUAN	NM
MCGRADY, HB B	1	3004506322	BASIN	DAKOTA	24P	27N	12W	SAN JUAN	NM
MCGRADY, HB B	1E	3004525495	BASIN	DAKOTA	24N	27N	12W	SAN JUAN	NM
MCKENZIE A	2	3004530545	BASIN	FRUITLAND COAL	09B	30N	12W	SAN JUAN	NM
MCKENZIE A	2	3004530545	AZTEC	PICTURED CLIFFS	09B	30N	12W	SAN JUAN	NM
MCPHEE GAS COM	1	3004529296	BLANCO	MESAVERDE	01F	30N	12W	SAN JUAN	NM
MONTOYA COM	1	3004511227	BLANCO	MESAVERDE	25N	32N	13W	SAN JUAN	NM
MONTOYA COM	1A	3004524994	BLANCO	MESAVERDE	25P	32N	13W	SAN JUAN	NM
MONTOYA COM	1B	3004530389	BLANCO	MESAVERDE	25L	32N	13W	SAN JUAN	NM
MONTOYA COM	1C	3004530374	BLANCO	MESAVERDE	25J	32N	13W	SAN JUAN	NM
MORRIS GAS COM	1	3004507817	BASIN	FRUITLAND COAL	26K	29N	10W	SAN JUAN	NM
MORRIS GAS COM	1	3004507817	AZTEC	PICTURED CLIFFS	26K	29N	10W	SAN JUAN	NM
MORRIS GAS COM	1R	3004530070	AZTEC	PICTURED CLIFFS	26M	29N	10W	SAN JUAN	NM
MORRIS GAS COM B	1	3004506712	BASIN	DAKOTA	10D	27N	10W	SAN JUAN	NM
MORRIS GAS COM B	1E	3004524666	BASIN	DAKOTA	10M	27N	10W	SAN JUAN	NM
MORRIS GAS COM C	1E	3004523567	BASIN	DAKOTA	26I	29N	10W	SAN JUAN	NM
MORRIS, CM A	1	3004506721	FULCHER KUTZ	PICTURED CLIFFS	10D	27N	10W	SAN JUAN	NM
MORRIS, CM B	1	3004506561	FULCHER KUTZ	PICTURED CLIFFS	15D	27N	10W	SAN JUAN	NM

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MORRIS, CM C	1	3004506541	FULCHER KUTZ	PICTURED CLIFFS	14F	27N	10W	SAN JUAN	NM
MORRIS, CM COM		3004520169	BASIN	DAKOTA	10J	27N	10W	SAN JUAN	NM
MORRIS, CM COM	1E	3004524098	BASIN	DAKOTA	10B	27N	10W	SAN JUAN	NM
MORRIS, CM COM A	1	3004520170	BASIN	DAKOTA	13L	27N	10W	SAN JUAN	NM
MORRIS, CM COM A	1E	3004524099	BASIN	DAKOTA	13E	27N	10W	SAN JUAN	NM
MOSS FEDERAL GAS COM A	1	3004525895	BLANCO	MESAVERDE	23J	29N	10W	SAN JUAN	NM
MOUNTAIN UTE COM A	1	3004520770	UTE DOME	PARADOX	03G	31N	14W	SAN JUAN	NM
MOUNTAIN UTE GAS COM C	1	3004520863	UTE DOME	DAKOTA	01G	31N	14W	SAN JUAN	NM
MOUNTAIN UTE GAS COM C	2	3004529416	UTE DOME	DAKOTA	01B	31N	14W	SAN JUAN	NM
MOUNTAIN UTE GAS COM F	1	3004521034	UTE DOME	PARADOX	25G	32N	14W	SAN JUAN	NM
MOUNTAIN UTE GAS COM G	1	3004521283	UTE DOME	DAKOTA	25G	32N	14W	SAN JUAN	NM
MOUNTAIN UTE GAS COM I	1	3004521331	UTE DOME	DAKOTA	25O	32N	14W	SAN JUAN	NM
MOUNTAIN UTE GAS COM J	1	3004523499	UTE DOME	DAKOTA	25E	32N	14W	SAN JUAN	NM
MOUNTAIN UTE GAS COM N	1	3004529865	UTE DOME	PARADOX	10A	31N	14W	SAN JUAN	NM
MOUNTAIN UTE GAS COM N	2	3004530491	UTE DOME	DAKOTA	10H	31N	14W	SAN JUAN	NM
MOUNTVIEW	2	3004522046	BASIN	DAKOTA	19D	25N	10W	SAN JUAN	NM
MOUNTVIEW	2E	3004529051	BASIN	DAKOTA	19G	25N	10W	SAN JUAN	NM
NOCKI	1	3004521125	BASIN	DAKOTA	04P	25N	11W	SAN JUAN	NM
NOCKI	1E	3004529086	BASIN	DAKOTA	04H	25N	11W	SAN JUAN	NM
OLIVER UNIT	1	3004530546	AZTEC	PICTURED CLIFFS	35J	31N	12W	SAN JUAN	NM
P&R	1	3004511102	UTE DOME	DAKOTA	01D	31N	14W	SAN JUAN	NM
PAH	1	3004520780	BASIN	DAKOTA	03L	25N	11W	SAN JUAN	NM
PAH	1	3004520780	BUENA SUERTE	PENNSYLVANIAN	03L	25N	11W	SAN JUAN	NM
PAN AMERICAN FED GAS COM B	1	3004508926	BASIN	DAKOTA	31O	30N	11W	SAN JUAN	NM
PAN AMERICAN FED GAS COM B	1E	3004524842	BASIN	DAKOTA	31G	30N	11W	SAN JUAN	NM
PAN AMERICAN FED GAS COM B	2	3004530231	BASIN	FRUITLAND COAL	31G	30N	11W	SAN JUAN	NM
PAN AMERICAN FED GAS COM B	3		AZTEC	PICTURED CLIFFS	31P	30N	11W	SAN JUAN	NM
PAN AMERICAN FEDERAL C	1	3004509339	BASIN	DAKOTA	19K	30N	12W	SAN JUAN	NM
PAN AMERICAN FEDERAL C	1E	3004524017	BASIN	DAKOTA	19I	30N	12W	SAN JUAN	NM
PAN AMERICAN FEDERAL C	2	3004509396	BASIN	DAKOTA	19A	30N	12W	SAN JUAN	NM
PAN AMERICAN FEDERAL C	2E	3004524013	BASIN	DAKOTA	19D	30N	12W	SAN JUAN	NM
PAYNE A	1	3004508122	BASIN	DAKOTA	19C	29N	10W	SAN JUAN	NM
PAYNE A	1E	3004524444	BLANCO	MESAVERDE	19N	29N	10W	SAN JUAN	NM
PAYNE A	1E	3004524444	BASIN	DAKOTA	19N	29N	10W	SAN JUAN	NM
PAYNE A	1E	3004524444	OTERO	CHACRA	19N	29N	10W	SAN JUAN	NM
PEARCE GAS COM	1E	3004524082	BASIN	DAKOTA	23J	29N	11W	SAN JUAN	NM
PIPKIN GAS COM A	1	3004511709	BASIN	DAKOTA	07N	27N	10W	SAN JUAN	NM
PIPKIN GAS COM A	1E	3004525634	BASIN	DAKOTA	07C	27N	10W	SAN JUAN	NM
PIPKIN, EH	10	3004506877	BASIN	DAKOTA	01E	27N	11W	SAN JUAN	NM
PIPKIN, EH	10E	3004523781	BASIN	DAKOTA	01H	27N	11W	SAN JUAN	NM
PIPKIN, EH	11	3004506614	BASIN	DAKOTA	12M	27N	11W	SAN JUAN	NM
PIPKIN, EH	11E	3004524373	BASIN	DAKOTA	12J	27N	11W	SAN JUAN	NM
PIPKIN, EH	12	3004506680	BASIN	DAKOTA	12G	27N	11W	SAN JUAN	NM
PIPKIN, EH	12E	3004523783	BASIN	DAKOTA	12E	27N	11W	SAN JUAN	NM
PIPKIN, EH	13	3004524962	FULCHER KUTZ	PICTURED CLIFFS	01E	27N	11W	SAN JUAN	NM
PIPKIN, EH	14	3004524947	FULCHER KUTZ	PICTURED CLIFFS	35A	28N	11W	SAN JUAN	NM
PIPKIN, EH	15	3004524970	FULCHER KUTZ	PICTURED CLIFFS	35D	28N	11W	SAN JUAN	NM
PIPKIN, EH	16	3004525143	FULCHER KUTZ	PICTURED CLIFFS	01I	27N	11W	SAN JUAN	NM
PIPKIN, EH	17	3004525150	FULCHER KUTZ	PICTURED CLIFFS	01L	27N	11W	SAN JUAN	NM
PIPKIN, EH	18	3004525144	FULCHER KUTZ	PICTURED CLIFFS	12M	27N	11W	SAN JUAN	NM
PIPKIN, EH	18	3004525144	BASIN	FRUITLAND COAL	12M	27N	11W	SAN JUAN	NM
PIPKIN, EH	19	3004525151	FULCHER KUTZ	PICTURED CLIFFS	12D	27N	11W	SAN JUAN	NM
PIPKIN, EH	20	3004525184	FULCHER KUTZ	PICTURED CLIFFS	12A	27N	11W	SAN JUAN	NM
PIPKIN, EH	21	3004525156	FULCHER KUTZ	PICTURED CLIFFS	35O	28N	11W	SAN JUAN	NM
PIPKIN, EH	22	3004525155	BASIN	FRUITLAND COAL	35N	28N	11W	SAN JUAN	NM
PIPKIN, EH	22	3004525155	FULCHER KUTZ	PICTURED CLIFFS	35N	28N	11W	SAN JUAN	NM
PIPKIN, EH	23	3004525187	FULCHER KUTZ	PICTURED CLIFFS	36D	28N	11W	SAN JUAN	NM
PIPKIN, EH	24	3004525158	FULCHER KUTZ	PICTURED CLIFFS	36O	28N	11W	SAN JUAN	NM
PIPKIN, EH	25	3004525157	FULCHER KUTZ	PICTURED CLIFFS	36L	28N	11W	SAN JUAN	NM
PIPKIN, EH	26	3004526151	KUTZ	GALLUP	12E	27N	11W	SAN JUAN	NM
PIPKIN, EH	27	3004528545	BASIN	FRUITLAND COAL	01H	27N	11W	SAN JUAN	NM
PIPKIN, EH	28	3004528548	BASIN	FRUITLAND COAL	36M	28N	11W	SAN JUAN	NM
PIPKIN, EH	29	3004528547	BASIN	FRUITLAND COAL	35N	28N	11W	SAN JUAN	NM
PIPKIN, EH	3	3004506645	FULCHER KUTZ	PICTURED CLIFFS	12I	27N	11W	SAN JUAN	NM
PIPKIN, EH	30	3004528546	BASIN	FRUITLAND COAL	12G	27N	11W	SAN JUAN	NM
PIPKIN, EH	31	3004529774	BASIN	FRUITLAND COAL	35H	28N	11W	SAN JUAN	NM
PIPKIN, EH	4R		KUTZ WEST	PICTURED CLIFFS	01A	27N	11W	SAN JUAN	NM
PIPKIN, EH	5	3004507053	BASIN	DAKOTA	36B	28N	11W	SAN JUAN	NM
PIPKIN, EH	5E	3004524376	BASIN	DAKOTA	36J	28N	11W	SAN JUAN	NM
PIPKIN, EH	6	3004513074	BASIN	DAKOTA	36M	28N	11W	SAN JUAN	NM
PIPKIN, EH	6E	3004523819	BASIN	DAKOTA	36E	28N	11W	SAN JUAN	NM
PIPKIN, EH	7	3004507029	BASIN	DAKOTA	35H	28N	11W	SAN JUAN	NM
PIPKIN, EH	7E	3004523785	BASIN	DAKOTA	35J	28N	11W	SAN JUAN	NM
PIPKIN, EH	8E	3004523782	BASIN	FRUITLAND COAL	01P	27N	11W	SAN JUAN	NM
PIPKIN, EH	8E	3004523782	BASIN	DAKOTA	01P	27N	11W	SAN JUAN	NM
PIPKIN, EH	8X	3004506788	BASIN	DAKOTA	01N	27N	11W	SAN JUAN	NM

ENVIRONMENTAL

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PIPKIN, EH	9	3004506957	BASIN	DAKOTA	35N	28N	11W	SAN JUAN	NM
PIPKIN, EH	0E	3004523784	BASIN	DAKOTA	36D	28N	11W	SAN JUAN	NM
PIPKIN, EH 36	2	3004527552	BASIN	FRUITLAND COAL	36B	28N	11W	SAN JUAN	NM
PIPKIN, PO	1	3004506695	BASIN	DAKOTA	08H	27N	10W	SAN JUAN	NM
PIPKIN, PO	1E	3004524665	BASIN	DAKOTA	08I	27N	10W	SAN JUAN	NM
PIPKIN, PO	2	3004506631	BASIN	DAKOTA	08L	27N	10W	SAN JUAN	NM
PIPKIN, PO	2E	3004525105	BASIN	DAKOTA	08E	27N	10W	SAN JUAN	NM
PIPKIN, PO	3	3004506551	BASIN	DAKOTA	17A	27N	10W	SAN JUAN	NM
PIPKIN, PO	3E	3004524684	BASIN	DAKOTA	17I	27N	10W	SAN JUAN	NM
PIPKIN, PO	4	3004506499	BASIN	DAKOTA	17K	27N	10W	SAN JUAN	NM
PIPKIN, PO	4E	3004525106	BASIN	DAKOTA	17C	27N	10W	SAN JUAN	NM
PIPKIN, PO	4R	3004530353	BASIN	DAKOTA	17E	27N	10W	SAN JUAN	NM
PIPKIN, PO	5	3004506726	BASIN	DAKOTA	07A	27N	10W	SAN JUAN	NM
PIPKIN, PO	5E	3004529115	BASIN	DAKOTA	07J	27N	10W	SAN JUAN	NM
PIPKIN, PO	6	3004511560	BASIN	DAKOTA	18O	27N	10W	SAN JUAN	NM
PIPKIN, PO	6E	3004525636	BASIN	DAKOTA	18B	27N	10W	SAN JUAN	NM
POLLOCK COM E	1	3004524247	ARMENTA	GALLUP	28P	29N	10W	SAN JUAN	NM
POLLOCK COM E	1	3004525743	BASIN	FRUITLAND COAL	28P	29N	10W	SAN JUAN	NM
POLLOCK COM E	1R	3004524247	BASIN	FRUITLAND COAL	28J	29N	10W	SAN JUAN	NM
POLLOCK COM E	1R	3004524247	AZTEC	PICTURED CLIFFS	28J	29N	10W	SAN JUAN	NM
POLLOCK GAS COM D	1	3004526173	OTERO	CHACRA	28I	29N	10W	SAN JUAN	NM
PRESPENIT GAS COM	1	3004507952	AZTEC	PICTURED CLIFFS	21O	29N	10W	SAN JUAN	NM
QUINE GAS COM	1	3004513295	BASIN	DAKOTA	31I	30N	12W	SAN JUAN	NM
QUINE GAS COM	1E	3004526142	BASIN	DAKOTA	31K	30N	12W	SAN JUAN	NM
QUINE GAS COM	2	3004529704	BASIN	FRUITLAND COAL	31K	30N	12W	SAN JUAN	NM
RANDEL, OH	8	3004524788	BASIN	DAKOTA	09F	26N	11W	SAN JUAN	NM
RANDEL, OH	1	3004505918	GALLEGOS	GALLUP	09L	26N	11W	SAN JUAN	NM
RANDEL, OH	1	3004505918	BASIN	DAKOTA	09L	26N	11W	SAN JUAN	NM
RANDEL, OH	10	3004526410	GALLEGOS	GALLUP	09P	26N	11W	SAN JUAN	NM
RANDEL, OH	11	3004526438	GALLEGOS	GALLUP	10J	26N	11W	SAN JUAN	NM
RANDEL, OH	12	3004526439	GALLEGOS	GALLUP	15G	26N	11W	SAN JUAN	NM
RANDEL, OH	1E	3004524165	BASIN	DAKOTA	09I	26N	11W	SAN JUAN	NM
RANDEL, OH	2	3004505903	BASIN	DAKOTA	10N	26N	11W	SAN JUAN	NM
RANDEL, OH	2	3004505903	GALLEGOS	GALLUP	10N	26N	11W	SAN JUAN	NM
RANDEL, OH	2E	3004523985	BASIN	DAKOTA	10J	26N	11W	SAN JUAN	NM
RANDEL, OH	2E	3004523985	BASIN	FRUITLAND COAL	10J	26N	11W	SAN JUAN	NM
RANDEL, OH	3	3004505980	BASIN	DAKOTA	09A	26N	11W	SAN JUAN	NM
RANDEL, OH	5	3004505964	BASIN	DAKOTA	10D	26N	11W	SAN JUAN	NM
RANDEL, OH	6	3004523798	BASIN	DAKOTA	15G	26N	11W	SAN JUAN	NM
RANDEL, OH	6E	3004524751	BASIN	DAKOTA	15P	26N	11W	SAN JUAN	NM
RANDEL, OH	6E	3004524751	GALLEGOS	GALLUP	15P	26N	11W	SAN JUAN	NM
RANDEL, OH	7	3004524749	BASIN	DAKOTA	15D	26N	11W	SAN JUAN	NM
RANDEL, OH	7E	3004524750	BASIN	FRUITLAND COAL	15K	26N	11W	SAN JUAN	NM
RANDEL, OH	8	3004524788	GALLEGOS	GALLUP	09F	26N	11W	SAN JUAN	NM
RANDEL, OH	8	3004524788	BASIN/KUTZ W	DK/PC DHC	09F	26N	11W	SAN JUAN	NM
RANDEL, OH	9	3004526144	GALLEGOS	GALLUP	15E	26N	11W	SAN JUAN	NM
RHODES, TL C	1	3004511778	BASIN	DAKOTA	30G	28N	11W	SAN JUAN	NM
RHODES, TL C	1E	3004526131	BASIN	DAKOTA	30E	28N	11W	SAN JUAN	NM
RHODES, TL C	1E	3004526131	SIMPSON	GALLUP	30E	28N	11W	SAN JUAN	NM
RHODES, TL C	2	3004511817	BASIN	DAKOTA	30P	28N	11W	SAN JUAN	NM
RHODES, TL C	2	3004511817	KUTZ	GALLUP	30P	28N	11W	SAN JUAN	NM
RHODES, TL C	2E	3004526147	BASIN	DAKOTA	30N	28N	11W	SAN JUAN	NM
RHODES, TL C	2E	3004526147	SIMPSON	GALLUP	30N	28N	11W	SAN JUAN	NM
RHODES, TL C	3	3004511808	BASIN	DAKOTA	31B	28N	11W	SAN JUAN	NM
RHODES, TL C	3E	3004526200	SIMPSON	GALLUP	31E	28N	11W	SAN JUAN	NM
RHODES, TL C	3E	3004526200	BASIN	DAKOTA	31E	28N	11W	SAN JUAN	NM
RIDDLE 2	1	3004506713	BLANCO S	PICTURED CLIFFS	09B	27N	09W	SAN JUAN	NM
RIDDLE A	1	3004506717	BLANCO	MESAVERDE	09A	27N	09W	SAN JUAN	NM
RIDDLE A	1	3004506717	BASIN	DAKOTA	09A	27N	09W	SAN JUAN	NM
RIDDLE COM A	1M	3004525462	BASIN	DAKOTA	09I	27N	09W	SAN JUAN	NM
RIDDLE COM A	1M	3004525462	BLANCO	MESAVERDE	09I	27N	09W	SAN JUAN	NM
RIDDLE, W H	3E	3004525693	BASIN	DAKOTA	24D	30N	10W	SAN JUAN	NM
ROMERO GAS COM A	1	3004525509	BLANCO	MESAVERDE	27K	29N	10W	SAN JUAN	NM
ROMERO GAS COM A	1	3004525509	OTERO	CHACRA	27K	29N	10W	SAN JUAN	NM
ROMERO GAS COM A	1A	3004526213	BLANCO	MESAVERDE	27P	29N	10W	SAN JUAN	NM
ROMERO GAS COM A	1A	3004526213	OTERO	CHACRA	27P	29N	10W	SAN JUAN	NM
ROWLAND GAS COM	1	3004509124	BASIN	DAKOTA	25P	30N	12W	SAN JUAN	NM
ROWLAND GAS COM	1E	3004526121	BASIN	DAKOTA	25M	30N	12W	SAN JUAN	NM
ROWLAND GAS COM A	1	3004529706	AZTEC	PICTURED CLIFFS	25A	30N	12W	SAN JUAN	NM
ROWLAND GAS COM A	1	3004529706	BASIN	FRUITLAND COAL	25A	30N	12W	SAN JUAN	NM
SAIZ GAS COM A	1	3004526044	OTERO	CHACRA	14F	29N	11W	SAN JUAN	NM
SAIZ GAS COM B	1	3004526057	OTERO	CHACRA	14L	29N	11W	SAN JUAN	NM
SAN JUAN DISTRICT TOOL	85								
SAN JUAN SCADA									
SANCHEZ GAS COM	1	3004507915	AZTEC	PICTURED CLIFFS	28G	29N	10W	SAN JUAN	NM
SANCHEZ GAS COM D	1	3004526172	OTERO	CHACRA	28A	29N	10W	SAN JUAN	NM

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SCHULTS FEDERAL	1E		BASIN	DAKOTA	01M	29N	11W	SAN JUAN	NM
SCHULTS FEDERAL	1E			MESAVERDE	01L	29N	11W	SAN JUAN	NM
SCHULTZ FEDERAL	1	3004508766	BASIN	DAKOTA	01F	29N	11W	SAN JUAN	NM
SCHUMACHER, JOHN	1	3004509734	BASIN	DAKOTA	08G	30N	12W	SAN JUAN	NM
SCHUMACHER, JOHN	1E	3004525694	BASIN	DAKOTA	08C	30N	12W	SAN JUAN	NM
SCHUMACHER, JOHN	2	3004509627	BASIN	DAKOTA	08M	30N	12W	SAN JUAN	NM
SCHUMACHER, JOHN	2E	3004529316	BASIN	DAKOTA	08P	30N	12W	SAN JUAN	NM
SCHWERDTFEGER A	11	3004506863	BLANCO	MESAVERDE	06G	27N	08W	SAN JUAN	NM
SCHWERDTFEGER A	11	3004506863	BLANCO S	PICTURED CLIFFS	06G	27N	08W	SAN JUAN	NM
SCHWERDTFEGER A	12	3004506756	BLANCO	MESAVERDE	06N	27N	08W	SAN JUAN	NM
SCHWERDTFEGER A	13	3004506705	BLANCO	MESAVERDE	08B	27N	08W	SAN JUAN	NM
SCHWERDTFEGER A	14	3004506601	BLANCO S	PICTURED CLIFFS	08N	27N	08W	SAN JUAN	NM
SCHWERDTFEGER A	14	3004506601	BLANCO	MESAVERDE	08N	27N	08W	SAN JUAN	NM
SCHWERDTFEGER A	15	3004506403	BLANCO	MESAVERDE	21B	27N	08W	SAN JUAN	NM
SCHWERDTFEGER A	15A	3004529245	BLANCO	MESAVERDE	21C	27N	08W	SAN JUAN	NM
SCHWERDTFEGER A	16	3004506397	BLANCO S	PICTURED CLIFFS	21C	27N	08W	SAN JUAN	NM
SCHWERDTFEGER A	2	3004506406	BLANCO S	PICTURED CLIFFS	21B	27N	08W	SAN JUAN	NM
SCHWERDTFEGER A	20	3004506669	BASIN	DAKOTA	08G	27N	08W	SAN JUAN	NM
SCHWERDTFEGER A	20M	3004526551	BLANCO	MESAVERDE	08J	27N	08W	SAN JUAN	NM
SCHWERDTFEGER A	20M	3004526551	BASIN	DAKOTA	08J	27N	08W	SAN JUAN	NM
SCHWERDTFEGER A	22	3004511728	BLANCO S	PICTURED CLIFFS	06D	27N	08W	SAN JUAN	NM
SCHWERDTFEGER A	23	3004511705	BLANCO S	PICTURED CLIFFS	08O	27N	08W	SAN JUAN	NM
SCHWERDTFEGER A	3E	3004524583	BASIN	DAKOTA	06L	27N	08W	SAN JUAN	NM
SCHWERDTFEGER A	3E	3004524583	OTERO	CHACRA	06L	27N	08W	SAN JUAN	NM
SCHWERDTFEGER A	3E	3004524583	BLANCO	MESAVERDE	06L	27N	08W	SAN JUAN	NM
SCHWERDTFEGER A	3M	3004511605	BASIN	DAKOTA	06D	27N	08W	SAN JUAN	NM
SCHWERDTFEGER A	3M	3004511605	BLANCO	MESAVERDE	06D	27N	08W	SAN JUAN	NM
SCHWERDTFEGER A	4	3004506766	BLANCO S	PICTURED CLIFFS	06O	27N	08W	SAN JUAN	NM
SCHWERDTFEGER A	5	3004506677	BLANCO S	PICTURED CLIFFS	08G	27N	08W	SAN JUAN	NM
SCHWERDTFEGER A	5E	3004524790	BASIN	DAKOTA	06A	27N	08W	SAN JUAN	NM
SCHWERDTFEGER A	5E	3004524790	FLORA VISTA	GALLUP	06A	27N	08W	SAN JUAN	NM
SCHWERDTFEGER A	5M	3004511888	BLANCO	MESAVERDE	06O	27N	08W	SAN JUAN	NM
SCHWERDTFEGER A	5M	3004511888	BASIN	DAKOTA	06O	27N	08W	SAN JUAN	NM
SCHWERDTFEGER A	6	3004511819	BASIN	DAKOTA	08N	27N	08W	SAN JUAN	NM
SCHWERDTFEGER A	6M	3004524594	BASIN	DAKOTA	08D	27N	08W	SAN JUAN	NM
SCHWERDTFEGER A	6M	3004524594	BLANCO	MESAVERDE	08D	27N	08W	SAN JUAN	NM
SCOTT A	1	3004507177	BASIN	DAKOTA	28F	28N	13W	SAN JUAN	NM
SCOTT GAS COM	1	3004509991	BASIN	DAKOTA	01A	30N	12W	SAN JUAN	NM
SHIPP GAS COM	1	3004506780	BASIN	DAKOTA	01O	27N	13W	SAN JUAN	NM
SHIPP GAS COM	1E	3004525246	BASIN	DAKOTA	01A	27N	13W	SAN JUAN	NM
SIMPSON COMPRESSOR					32	08N	10W	SAN JUAN	NM
SKELLY GAS COM	1	3004507735	BASIN	DAKOTA	32A	29N	10W	SAN JUAN	NM
SKELLY GAS COM	1E	3004524081	BASIN	DAKOTA	32O	29N	10W	SAN JUAN	NM
SNYDER GAS COM	1	3004508174	BLANCO	MESAVERDE	19G	29N	09W	SAN JUAN	NM
SNYDER GAS COM	1A	3004522792	BLANCO	MESAVERDE	19F	29N	09W	SAN JUAN	NM
SNYDER GAS COM B	1	3004512171	BASIN	DAKOTA	19G	29N	09W	SAN JUAN	NM
STAHLY GAS COM A	1	3004525896	OTERO	CHACRA	29C	29N	10W	SAN JUAN	NM
STANOLIND A	1A	3004525901	BLANCO	MESAVERDE	29O	31N	12W	SAN JUAN	NM
STANOLIND A	2	3004510267	BASIN	DAKOTA	29O	31N	12W	SAN JUAN	NM
STANOLIND GAS COM B	1	3004524149	BASIN	FRUITLAND COAL	09I	32N	12W	SAN JUAN	NM
STANOLIND GAS COM B	1	3004524149	BLANCO	MESAVERDE	09I	32N	12W	SAN JUAN	NM
STANOLIND GAS COM D	1	3004523779	BLANCO	MESAVERDE	17J	32N	12W	SAN JUAN	NM
STANOLIND GAS COM D	1	3004523779	MCDERMOTT	GALLUP	17J	32N	12W	SAN JUAN	NM
STANOLIND GAS COM D	1A	3004529313	BLANCO	MESAVERDE	17N	32N	12W	SAN JUAN	NM
STANOLIND GAS COM D	1B		BLANCO	MESAVERDE	17P	32N	12W	SAN JUAN	NM
STANOLIND GAS COM D	2	3004529775	BASIN	FRUITLAND COAL	17O	32N	12W	SAN JUAN	NM
STATE AX	1	3004507688	AZTEC	PICTURED CLIFFS	32H	29N	09W	SAN JUAN	NM
STATE COM D	5	3004511925	BASIN	DAKOTA	32F	27N	08W	SAN JUAN	NM
STATE COM D	5	3004511925	BLANCO	MESAVERDE	32F	27N	08W	SAN JUAN	NM
STATE GAS COM BA	1	3004510759	BASIN	DAKOTA	16G	31N	12W	SAN JUAN	NM
STATE GAS COM BA	1E	3004525352	BASIN	DAKOTA	16E	31N	12W	SAN JUAN	NM
STATE GAS COM BB	1	3004510701	BASIN	DAKOTA	16M	31N	12W	SAN JUAN	NM
STATE GAS COM BB	2	3004530372	BASINBLANCO	DK/MV	16O	31N	12W	SAN JUAN	NM
STATE GAS COM BB	2	3004530372	BASIN	DAKOTA	16O	31N	12W	SAN JUAN	NM
STATE GAS COM BC	1	3004510203	BLANCO	MESAVERDE	32C	31N	12W	SAN JUAN	NM
STATE GAS COM BC	1	3004510203	BASIN	DAKOTA	32C	31N	12W	SAN JUAN	NM
STATE GAS COM BC	1E (NC)	3004525562	BASIN	DAKOTA	32G	31N	12W	SAN JUAN	NM
STATE GAS COM BD	1	3004510091	BASIN	DAKOTA	32K	31N	12W	SAN JUAN	NM
STATE GAS COM BE	1	3004509476	BASIN	DAKOTA	16N	30N	13W	SAN JUAN	NM
STATE GAS COM BE	1E	3004525253	BASIN	DAKOTA	16O	30N	13W	SAN JUAN	NM
STATE GAS COM BG	1	3004508776	BLANCO	MESAVERDE	02F	29N	10W	SAN JUAN	NM
STATE GAS COM BG	1	3004508776	BASIN	DAKOTA	02F	29N	10W	SAN JUAN	NM
STATE GAS COM BI	1	3004511741	BASIN	DAKOTA	16F	30N	13W	SAN JUAN	NM
STATE GAS COM BI	1E	3004525252	BASIN	DAKOTA	16A	30N	13W	SAN JUAN	NM
STATE GAS COM BJ	1	3004510008	BASIN	DAKOTA	02C	30N	13W	SAN JUAN	NM
STATE GAS COM BP	1	3004524881	BASIN	DAKOTA	32G	29N	09W	SAN JUAN	NM

Cross Timbers Operated Wells

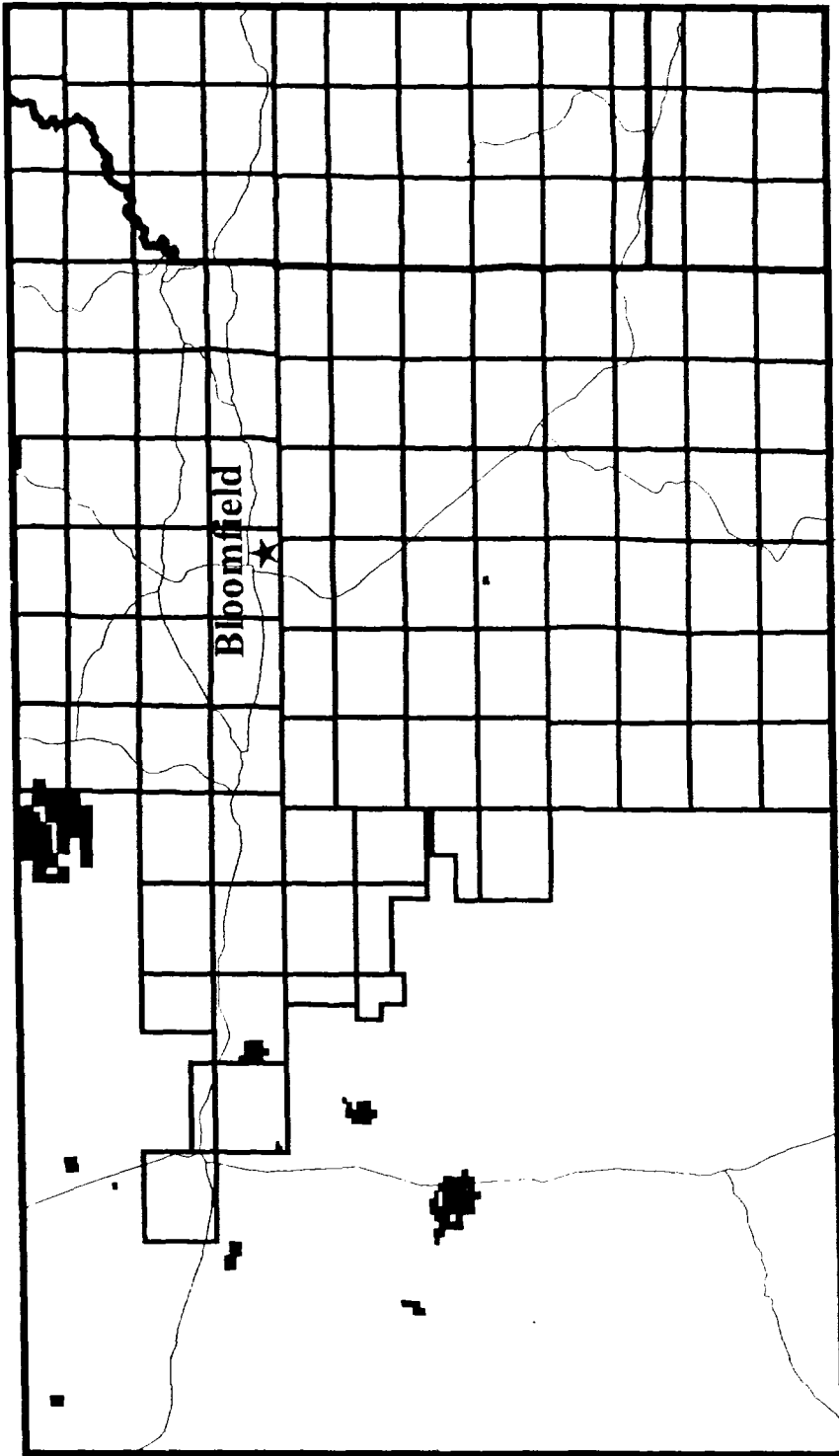
STATE GAS COM BP	1	3004524881	OTERO	CHACRA	32G	29N	09W	SAN JUAN	NM
STATE GAS COM BP	1E	3004525557	BASIN	DAKOTA	32J	29N	09W	SAN JUAN	NM
STATE GAS COM BR	1	3004523661	BASIN	DAKOTA	02E	29N	10W	SAN JUAN	NM
STATE GAS COM BR	1E	3004526248	BASIN	DAKOTA	02A	29N	10W	SAN JUAN	NM
STATE GAS COM BS	1	3004523550	OTERO	CHACRA	23K	29N	11W	SAN JUAN	NM
STATE GAS COM BZ	1	3004525510	ARMENTA	GALLUP	32I	29N	10W	SAN JUAN	NM
STATE GAS COM BZ	1	3004525510	OTERO	CHACRA	32I	29N	10W	SAN JUAN	NM
STATE GAS COM CA	1	3004525878	OTERO	CHACRA	16A	29N	11W	SAN JUAN	NM
STATE GAS COM M	1	3004510693	BLANCO	MESAVERDE	16M	31N	12W	SAN JUAN	NM
STATE GAS COM M	1A	3004522765	BLANCO	MESAVERDE	16I	31N	12W	SAN JUAN	NM
STATE GAS COM M	1B	3004530371	BLANCO	MESAVERDE	16K	31N	12W	SAN JUAN	NM
STATE GAS COM N	1	3004510765	BLANCO	MESAVERDE	16H	31N	12W	SAN JUAN	NM
STATE GAS COM N	1A	3004530370	BLANCO	MESAVERDE	16E	31N	12W	SAN JUAN	NM
STATE GAS COM N	1B	3004530373	BLANCO	MESAVERDE	16C	31N	12W	SAN JUAN	NM
STATE GAS COM N	1C	3004530375	BLANCO	MESAVERDE	16G	31N	12W	SAN JUAN	NM
STATE GAS COM O	1	3004507705	BLANCO	MESAVERDE	32H	29N	09W	SAN JUAN	NM
STATE GAS COM T	1	3004508765	AZTEC	PICTURED CLIFFS	02F	29N	10W	SAN JUAN	NM
STATE GAS COM U	1	3004508777	AZTEC	PICTURED CLIFFS	02H	29N	10W	SAN JUAN	NM
STATE J COM	1	3004505877	GALLEGOS	GALLUP	16D	26N	11W	SAN JUAN	NM
STATE J COM	1	3004505877	BASIN	DAKOTA	16D	26N	11W	SAN JUAN	NM
STEDJE GAS COM	1	3004509214	FLORA VISTA	MESAVERDE	27F	30N	12W	SAN JUAN	NM
STEDJE GAS COM	1	3004509214	BASIN	DAKOTA	27F	30N	12W	SAN JUAN	NM
STEDJE GAS COM	1E	3004525560	BASIN	DAKOTA	27A	30N	12W	SAN JUAN	NM
STEDJE GAS COM	2	3004529738	BASIN	FRUITLAND COAL	27A	30N	12W	SAN JUAN	NM
STEDJE GAS COM	2R	3004530175	BASIN	FRUITLAND COAL	27A	30N	12W	SAN JUAN	NM
SULLIVAN A	1	3004507914	BASIN	DAKOTA	25C	29N	11W	SAN JUAN	NM
SULLIVAN A	1E	3004524498	BLANCO	MESAVERDE	25M	29N	11W	SAN JUAN	NM
SULLIVAN A	1E	3004524498	BASIN	DAKOTA	25M	29N	11W	SAN JUAN	NM
SULLIVAN A	1E	3004524498	OTERO	CHACRA	25M	29N	11W	SAN JUAN	NM
SULLIVAN FRAME A	1	3004507905	BASIN	DAKOTA	30D	29N	10W	SAN JUAN	NM
SULLIVAN FRAME A	1E	3004524432	BLANCO	MESAVERDE	30A	29N	10W	SAN JUAN	NM
SULLIVAN FRAME A	1E	3004524432	BASIN	DAKOTA	30A	29N	10W	SAN JUAN	NM
SULLIVAN FRAME A	1E	3004524432	OTERO	CHACRA	30A	29N	10W	SAN JUAN	NM
SULLIVAN FRAME COM B	1	3004524438	BLANCO	MESAVERDE	30D	29N	10W	SAN JUAN	NM
SULLIVAN FRAME COM B	1	3004524438	OTERO	CHACRA	30D	29N	10W	SAN JUAN	NM
SULLIVAN GAS COM C	1	3004507781	ARMENTA	GALLUP	28N	29N	10W	SAN JUAN	NM
SULLIVAN GAS COM C	1	3004507781	BASIN	DAKOTA	28N	29N	10W	SAN JUAN	NM
SULLIVAN GAS COM C	1E	3004523568	BASIN	DAKOTA	28J	29N	10W	SAN JUAN	NM
SULLIVAN GAS COM D	1	3004507733	BASIN	DAKOTA	26B	29N	11W	SAN JUAN	NM
SULLIVAN GAS COM D	1E	3004524083	BASIN	DAKOTA	26F	29N	11W	SAN JUAN	NM
SULLIVAN, BRUCE	1 (WI)	3004506640	BLANCO S	PICTURED CLIFFS	09I	27N	09W	SAN JUAN	NM
SULLIVAN, BRUCE	2	3004525997	OTERO	CHACRA	23J	28N	10W	SAN JUAN	NM
SULLIVAN, EARL B	1	3004523163	OTERO	CHACRA	26B	29N	11W	SAN JUAN	NM
SULLIVAN, EARL B	2	3004525621	ARMENTA	GALLUP	26H	29N	11W	SAN JUAN	NM
SULLIVAN, RB	1R	3004530155	FULCHER KUTZ	PICTURED CLIFFS	11G	27N	10W	SAN JUAN	NM
SULLIVAN, RB	2	3004506723	FULCHER KUTZ	PICTURED CLIFFS	11D	27N	10W	SAN JUAN	NM
SULLIVAN, RB	3	3004506716	BASIN	DAKOTA	11B	27N	10W	SAN JUAN	NM
SULLIVAN, RB	3E	3004523986	BASIN	DAKOTA	11D	27N	10W	SAN JUAN	NM
TAFT GAS COM	1	3004509569	BASIN	DAKOTA	14A	30N	13W	SAN JUAN	NM
TAFT GAS COM	1E	3004525622	BASIN	DAKOTA	14C	30N	13W	SAN JUAN	NM
TEXAS NATIONAL GAS COM	1	3004520723	AZTEC	PICTURED CLIFFS	19K	29N	09W	SAN JUAN	NM
TRUJILLO GAS COM	1R	3004530071	AZTEC	PICTURED CLIFFS	21K	29N	10W	SAN JUAN	NM
TRUJILLO GAS COM A	1	3004525619	BLANCO	MESAVERDE	28C	29N	10W	SAN JUAN	NM
TRUJILLO GAS COM A	1	3004525619	ARMENTA	GALLUP	28C	29N	10W	SAN JUAN	NM
UTE DOME COMPRESSOR		71239						SAN JUAN	NM
UTE INDIANS A	10	3004522565	UTE DOME	PARADOX	36J	32N	14W	SAN JUAN	NM
UTE INDIANS A	11	3004522739	UTE DOME	PARADOX	26O	32N	14W	SAN JUAN	NM
UTE INDIANS A	12	3004522950	UTE DOME	DAKOTA	36G	32N	14W	SAN JUAN	NM
UTE INDIANS A	14	3004523500	UTE DOME	DAKOTA	25M	32N	14W	SAN JUAN	NM
UTE INDIANS A	15	3004523501	UTE DOME	DAKOTA	36E	32N	14W	SAN JUAN	NM
UTE INDIANS A	16	3004524610	UTE DOME	DAKOTA	36P	32N	14W	SAN JUAN	NM
UTE INDIANS A	17	3004524604	UTE DOME	DAKOTA	02D	31N	14W	SAN JUAN	NM
UTE INDIANS A	18	3004524609	UTE DOME	DAKOTA	35E	32N	14W	SAN JUAN	NM
UTE INDIANS A	19	3004524607	UTE DOME	DAKOTA	26O	32N	14W	SAN JUAN	NM
UTE INDIANS A	20	3004524605	UTE DOME	DAKOTA	02J	31N	14W	SAN JUAN	NM
UTE INDIANS A	21	3004524608	UTE DOME	DAKOTA	13A	32N	14W	SAN JUAN	NM
UTE INDIANS A	22	3004529410	UTE DOME	MORRISON	02F	31N	14W	SAN JUAN	NM
UTE INDIANS A	25	3004529417	UTE DOME	DAKOTA	02M	31N	14W	SAN JUAN	NM
UTE INDIANS A	26	3004529868	UTE DOME	PARADOX	02O	31N	14W	SAN JUAN	NM
UTE INDIANS A	27	3004529863	UTE DOME	DAKOTA	02I	31N	14W	SAN JUAN	NM
UTE INDIANS A	28	3004529866	UTE DOME	DAKOTA	03O	31N	14W	SAN JUAN	NM
UTE INDIANS A	29	3004530030	UTE DOME	DAKOTA	36K	32N	14W	SAN JUAN	NM
UTE INDIANS A	3	3004511165	UTE DOME	DAKOTA	35H	32N	14W	SAN JUAN	NM
UTE INDIANS A	30	3004530268	UTE DOME	MORRISON	02A	31N	14W	SAN JUAN	NM
UTE INDIANS A	31	3004530492	UTE DOME	DAKOTA	26L	32N	14W	SAN JUAN	NM
UTE INDIANS A	32	3004530489	UTE DOME	DAKOTA	2P	31N	14W	SAN JUAN	NM

Cross Timbers Operated Wells

UTE INDIANS A	33	3004530490	UTE DOME	DAKOTA	3A	31N	14W	SAN JUAN	NM
UTE INDIANS A	34	3004530494	UTE DOME	DAKOTA	35J	32N	14W	SAN JUAN	NM
UTE INDIANS A	35		UTE DOME	PARADOX	36	32N	14W	SAN JUAN	NM
UTE INDIANS A	36		UTE DOME	PARADOX	27	32N	14W	SAN JUAN	NM
UTE INDIANS A	4	3004511147	UTE DOME	PARADOX	35I	32N	14W	SAN JUAN	NM
UTE INDIANS A	5	3004511133	UTE DOME	DAKOTA	35K	32N	14W	SAN JUAN	NM
UTE INDIANS A	7	3004511049	UTE DOME	PARADOX	02F	31N	14W	SAN JUAN	NM
UTE INDIANS A	8	3004520750	UTE DOME	PARADOX	34G	32N	14W	SAN JUAN	NM
UTE MTN GAS COM M	1	3004522736	UTE DOME	PARADOX	11F	31N	14W	SAN JUAN	NM
UTE MTN GAS COM M	2	3004530488	UTE DOME	DAKOTA	11C	31N	14W	SAN JUAN	NM
UTE MTN TRIBAL D	1	3004510918	UTE DOME	PARADOX	10F	31N	14W	SAN JUAN	NM
UTE MTN TRIBAL D	3	3004520942	UTE DOME	DAKOTA	10F	31N	14W	SAN JUAN	NM
UTE MTN TRIBAL D	7	3004521105	UTE DOME	DAKOTA	10K	31N	14W	SAN JUAN	NM
UTE MTN TRIBAL D	8		UTE DOME	PARADOX	04	31N	14W	SAN JUAN	NM
UTE MTN TRIBAL H GAS COM	1	3004511670	UTE DOME	PARADOX	01K	31N	14W	SAN JUAN	NM
UTE MTN TRIBAL J	1	3004521011	UTE DOME	DAKOTA	01K	31N	14W	SAN JUAN	NM
UTE MTN TRIBAL J	2	3004521104	UTE DOME	DAKOTA	11L	31N	14W	SAN JUAN	NM
UTE MTN TRIBAL J	4	3004521332	UTE DOME	DAKOTA	01L	31N	14W	SAN JUAN	NM
UTE MTN TRIBAL J	6	3004529867	UTE DOME	DAKOTA	01M	31N	14W	SAN JUAN	NM
UTE MTN TRIBAL J	7	3004529864	UTE DOME	DAKOTA	12D	31N	14W	SAN JUAN	NM
UTE MTN TRIBAL L	1	3004522564	UTE DOME	PARADOX	24J	32N	14W	SAN JUAN	NM
UTE MTN TRIBAL L	2	3004522949	UTE DOME	DAKOTA	24M	32N	14W	SAN JUAN	NM
UTE MTN TRIBAL L	3		UTE DOME	PARADOX	24	32N	14W	SAN JUAN	NM
UTE WESTERN GAS CDP		919011105						SAN JUAN	NM
VALDEZ A	1	3004508003	BASIN	DAKOTA	24I	29N	11W	SAN JUAN	NM
VALDEZ A	1E	3004524445	BASIN	DAKOTA	24G	29N	11W	SAN JUAN	NM
VALDEZ A	1E	3004524445	OTERO	CHACRA	24G	29N	11W	SAN JUAN	NM
VALDEZ COM B	1	3004524436	OTERO	CHACRA	24O	29N	11W	SAN JUAN	NM
VALENCIA CANYON COMPRESSOR		3004571240						RIO ARRIBA	NM
VALENCIA CANYON UNIT	1	3003920700	CHOZA MESA	PICTURED CLIFFS	23M	28N	04W	RIO ARRIBA	NM
VALENCIA CANYON UNIT	10	3003921476	CHOZA MESA	PICTURED CLIFFS	34H	28N	04W	RIO ARRIBA	NM
VALENCIA CANYON UNIT	11	3003921472	CHOZA MESA	PICTURED CLIFFS	26D	28N	04W	RIO ARRIBA	NM
VALENCIA CANYON UNIT	12	3003921473	CHOZA MESA	PICTURED CLIFFS	26H	28N	04W	RIO ARRIBA	NM
VALENCIA CANYON UNIT	13	3003921469	CHOZA MESA	PICTURED CLIFFS	22O	28N	04W	RIO ARRIBA	NM
VALENCIA CANYON UNIT	14	3003921489	CHOZA MESA	PICTURED CLIFFS	23D	28N	04W	RIO ARRIBA	NM
VALENCIA CANYON UNIT	15	3003921475	CHOZA MESA	PICTURED CLIFFS	27I	28N	04W	RIO ARRIBA	NM
VALENCIA CANYON UNIT	16	3003921470	CHOZA MESA	PICTURED CLIFFS	23P	28N	04W	RIO ARRIBA	NM
VALENCIA CANYON UNIT	17	3003921598	CHOZA MESA	PICTURED CLIFFS	26N	28N	04W	RIO ARRIBA	NM
VALENCIA CANYON UNIT	19	3003921597	CHOZA MESA	PICTURED CLIFFS	25P	28N	04W	RIO ARRIBA	NM
VALENCIA CANYON UNIT	2	3003921112	CHOZA MESA	PICTURED CLIFFS	27A	28N	04W	RIO ARRIBA	NM
VALENCIA CANYON UNIT	24	3003921592	CHOZA MESA	PICTURED CLIFFS	15D	28N	04W	RIO ARRIBA	NM
VALENCIA CANYON UNIT	25	3003921593	CHOZA MESA	PICTURED CLIFFS	15N	28N	04W	RIO ARRIBA	NM
VALENCIA CANYON UNIT	26	3003921594	CHOZA MESA	PICTURED CLIFFS	22D	28N	04W	RIO ARRIBA	NM
VALENCIA CANYON UNIT	27	3003921595	CHOZA MESA	PICTURED CLIFFS	22M	28N	04W	RIO ARRIBA	NM
VALENCIA CANYON UNIT	27	3003921595	BASIN	FRUITLAND COAL	22M	28N	04W	RIO ARRIBA	NM
VALENCIA CANYON UNIT	3	3003921350	CHOZA MESA	PICTURED CLIFFS	22G	28N	04W	RIO ARRIBA	NM
VALENCIA CANYON UNIT	35	3003921612	BLANCO	MESAVERDE	34M	28N	04W	RIO ARRIBA	NM
VALENCIA CANYON UNIT	4	3003921351	CHOZA MESA	PICTURED CLIFFS	25N	28N	04W	RIO ARRIBA	NM
VALENCIA CANYON UNIT	40	3003922082	BLANCO	MESAVERDE	35M	28N	04W	RIO ARRIBA	NM
VALENCIA CANYON UNIT	40A	3003925534	BLANCO	MESAVERDE	35O	28N	04W	RIO ARRIBA	NM
VALENCIA CANYON UNIT	43	3003922442	BLANCO	MESAVERDE	27M	28N	04W	RIO ARRIBA	NM
VALENCIA CANYON UNIT	43A	3003926504	BLANCO	MESAVERDE	27P	28N	04W	RIO ARRIBA	NM
VALENCIA CANYON UNIT	45A	3003923811	BLANCO	MESAVERDE	34O	28N	04W	RIO ARRIBA	NM
VALENCIA CANYON UNIT	46			MESAVERDE	35	28N	04W	SAN JUAN	NM
VALENCIA CANYON UNIT	5	3003921474	CHOZA MESA	PICTURED CLIFFS	26P	28N	04W	RIO ARRIBA	NM
VALENCIA CANYON UNIT	7	3003921478	CHOZA MESA	PICTURED CLIFFS	36E	28N	04W	RIO ARRIBA	NM
VALENCIA CANYON UNIT	8	3003921471	CHOZA MESA	PICTURED CLIFFS	25E	28N	04W	RIO ARRIBA	NM
VALENCIA CANYON UNIT	9	3003921488	CHOZA MESA	PICTURED CLIFFS	15P	28N	04W	RIO ARRIBA	NM

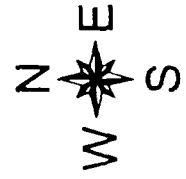
EXHIBIT A

R18W R17W R16W R15W R14W R13W R12W R11W R10W

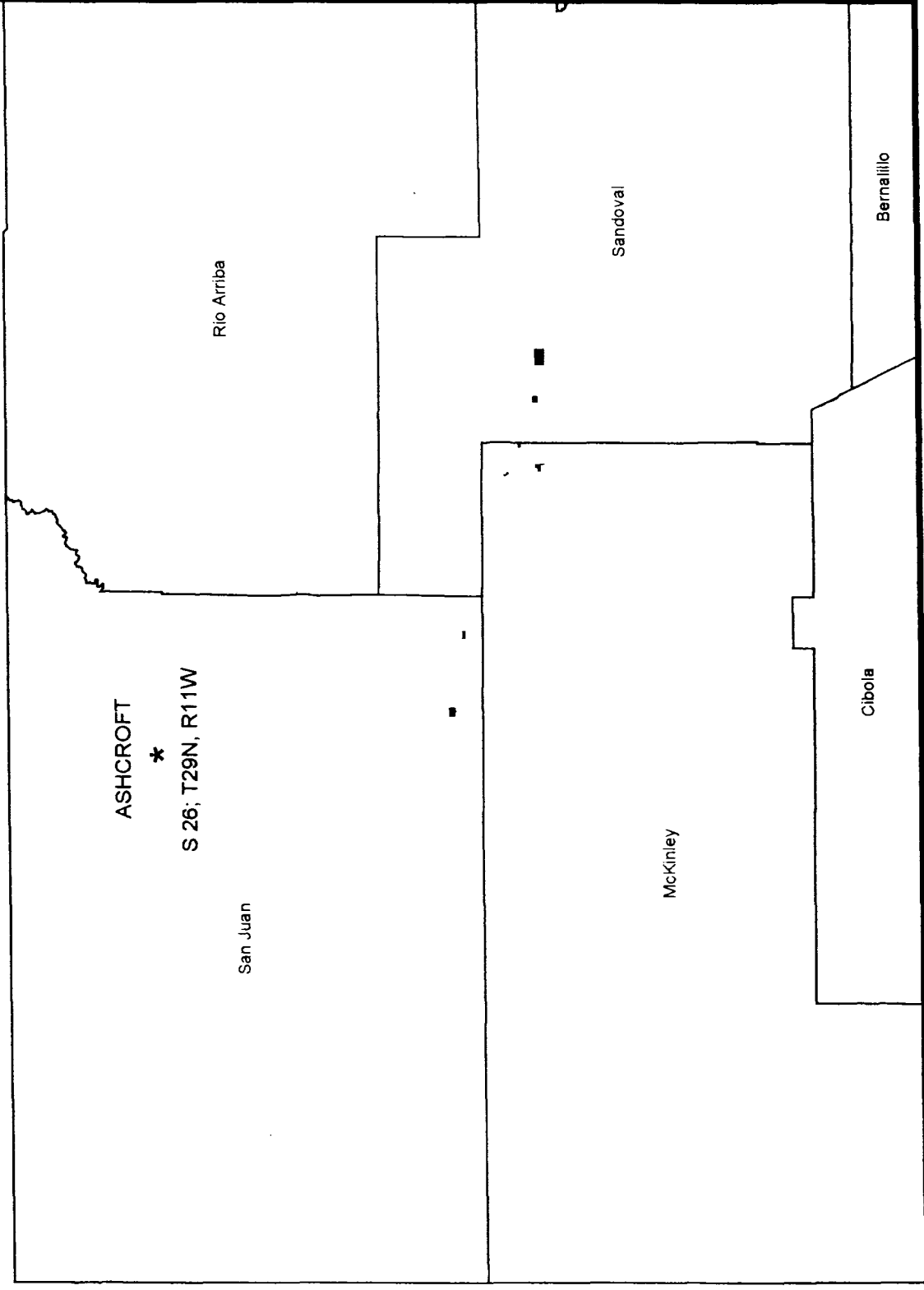


T32N
T31N
T30N
T29N
T28N
T27N
T26N
T25N

- ★ Sec 26, T29N, R11W
- NW Pennsylvanian Paradox
- ∩ NM Highways
- Townships



ENTRADA POOLS IN NORTHWEST NEW MEXICO



■ Entrada

A compass rose with four points labeled N (North), S (South), E (East), and W (West).

Operator
Well Name
Formation



EXISTING WELLS WITHIN A 2 MILE RADIUS

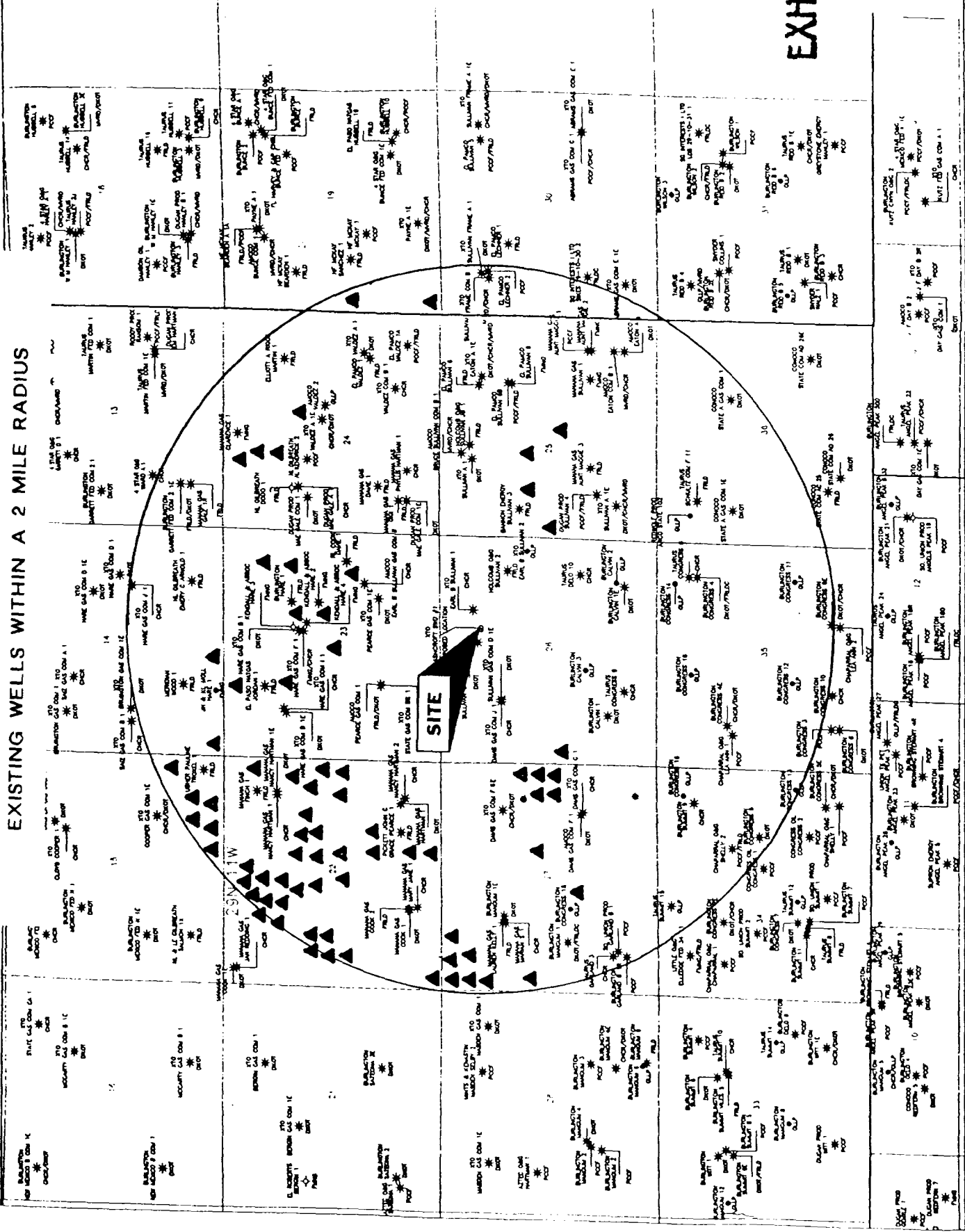
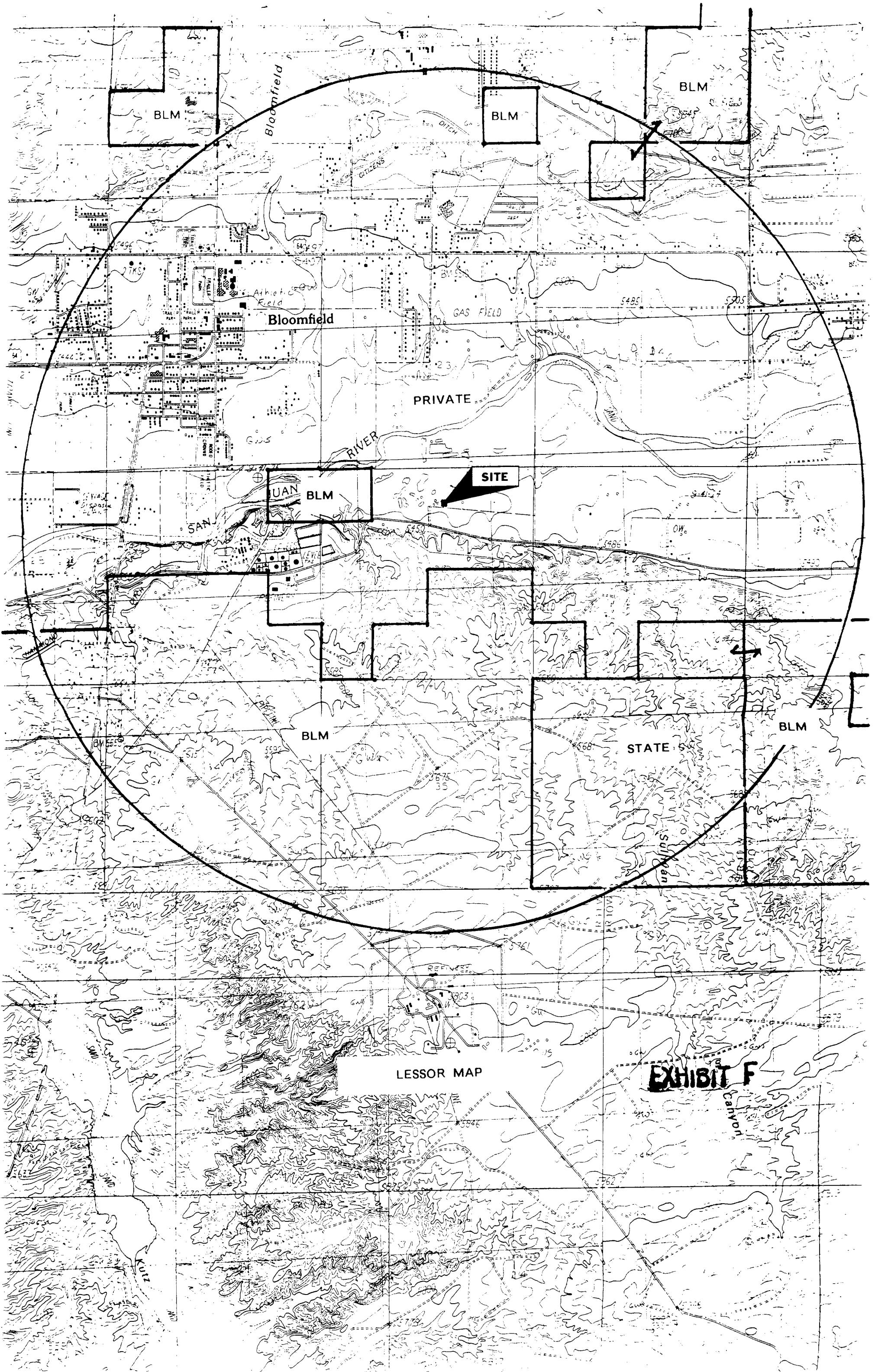


EXHIBIT D

XTO ENERGY	
SAN JUAN COUNTY NEW V.	
SEC 26-28N-11W WITH A 2 MILE	
ALL FORMATIONS	
Scale 1:1000	Scale 1:2000



BLM

BLM

BLM

Bloomfield

PRIVATE

JUAN BLM

SITE

BLM

STATE

BLM

LESSOR MAP

EXHIBIT F

WA00022

BJ SERVICES COMPANY

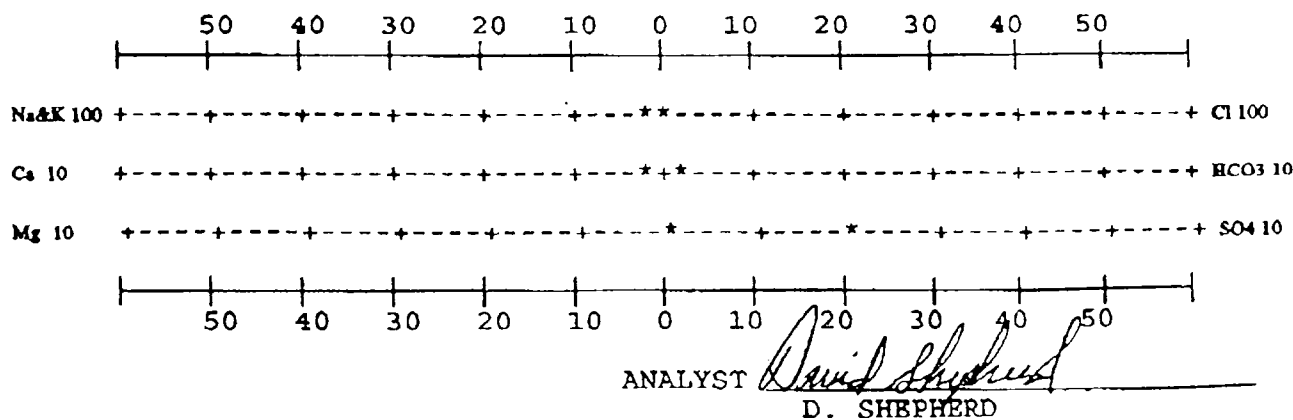
WATER ANALYSIS #WA000022

FARMINGTON LAB

GENERAL INFORMATION		
OPERATOR:	CROSS TIMBERS OPERATING	DEPTH:
WELL:	KUTZ FED. 12E	DATE SAMPLED:
FIELD:		DATE RECEIVED:
SUBMITTED BY:	JOHN RECTOR	COUNTY:
WORKED BY:	D. SHEPHERD	STATE:
PHONE NUMBER:		FORMATION:
		DAKOTA (Curtis Crayor)
		6,631'-34'

SAMPLE DESCRIPTION	
Sample for analysis	
PHYSICAL AND CHEMICAL DETERMINATIONS	
SPECIFIC GRAVITY:	1.010 @ 70°F PH: 7.86
RESISTIVITY (MEASURED):	0.520 ohms @ 75°F
IRON (FE++) :	0 ppm SULFATE: 9,406 ppm
CALCIUM:	214 ppm TOTAL HARDNESS 733 ppm
MAGNESIUM:	48 ppm BICARBONATE: 1,474 ppm
CHLORIDE:	2,376 ppm SODIUM CHLORIDE (Calc) 3,908 ppm
SODIUM+POTASS:	6,257 ppm TOT. DISSOLVED SOLIDS: 20,246 ppm
H2S: no trace	POTASSIUM (PPM): 110
REMARKS	
No H2S detected by lead acetate test.	

STIFF TYPE PLOT (IN MEQ/L)



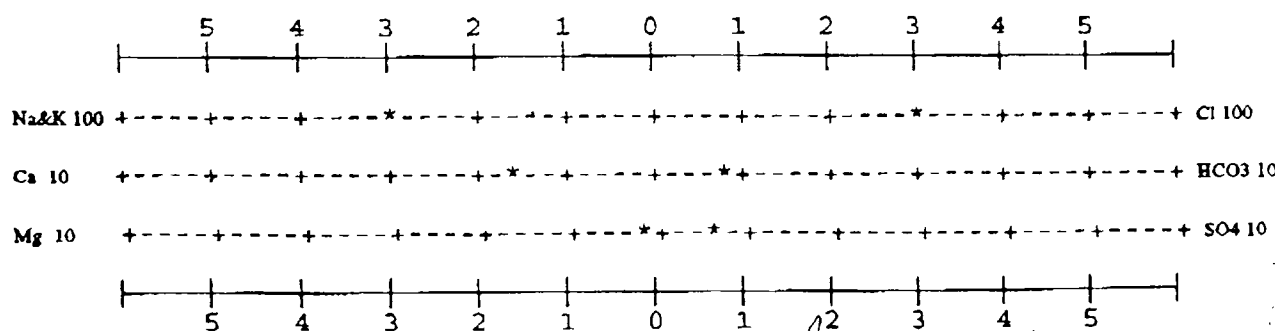
LAVIBI 6

BJ SERVICES COMPANY
WATER ANALYSIS #FW01W989
FARMINGTON LAB

GENERAL INFORMATION		
OPERATOR:	CROSS TIMBERS OPERATING	DEPTH:
WELL:	FEDERAL GAS COM "J" 1E	DATE SAMPLED: 09/12/00
FIELD:		DATE RECEIVED: 09/13/00
SUBMITTED BY:		COUNTY: SAN JUAN STATE: NM
WORKED BY:	D. SHEPHERD	FORMATION: DAKOTA
PHONE NUMBER:		

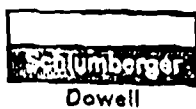
SAMPLE DESCRIPTION	
sample for analysis	
PHYSICAL AND CHEMICAL DETERMINATIONS	
SPECIFIC GRAVITY:	1.008 @ 74°F PH: 6.33
RESISTIVITY (MEASURED):	0.260 ohms @ 74°F
IRON (FE++) :	100 ppm SULFATE: 298 ppm
CALCIUM:	318 ppm TOTAL HARDNESS 893 ppm
MAGNESIUM:	24 ppm BICARBONATE: 472 ppm
CHLORIDE:	10,910 ppm SODIUM CHLORIDE (Calc) 17,947 ppm
SODIUM+POTASS:	6,983 ppm TOT. DISSOLVED SOLIDS: 19,557 ppm
H2S: none	POTASSIUM (PPM): 200
REMARKS	

STIFF TYPE PLOT (IN MEQ/L)



ANALYST David Shepherd
D. SHEPHERD

57 19011200



COMPANY	X-Timbers	SAMPLE NO.	2	DATE	8/13/99
FIELD	WELL NAME Duff C #2				
FORMATION	Fruitland Coal	DEPTH	TYPE SAMPLE		
COUNTY	STATE	SAMPLED BY			

pH 7.13
 SPECIFIC GRAVITY 1.025 ←
 RESISTIVITY 0.120
 TEMPERATURE 74°

API 30-045-29664
 f, Sec 27, T30N, R12W

DISSOLVED SOLIDS

CATIONS	Beginning ml	Ending ml	Difference	mg/l		ppm
				mg/l	me/l	
SODIUM NA (CALC.)	=>	=>	=>	8283.97	360.19	8491
CALCIUM CA	24.30	25.30	1.00	401.00	20.01	411
MAGNESIUM MG	25.30	27.10	1.80	194.72	16.01	200

ANIONS	Beginning ml	Ending ml	Difference	mg/l		ppm
				mg/l	me/l	
CHLORIDE CL	25.2	29	3.80	13490.00	380.42	13769
SULFATE SO4	=>	=>	=>	0	0.00	
CARBONATE CO3			0.00	0.00	0.00	
BICARBONATE HCO3	25.2	33.1	7.90	963.80	15.80	979

TDS (CALC.) 23333.49

POTASSIUM K	%		PPM	
	0	0	0	0

IRON FE (TOTAL) 0

REMARKS & RECOMMENDATIONS

(mg/l) (SG)

EXHIBIT G

Cross Timbers Operating

County: San Juan
 State: NM
 Lab #: 1
 Date: 04/30/00

Field:
 Location: Ruby Corscot #7
 Formation: Fruitland (Co)
 Depth: 0

H & M Precision Water Analysis Report

Sum +	mg/L	meq/L	Sum -	mg/L	meq/L
Potassium	0.0	0.00	Sulfate	0.0	0.00
Sodium	16,491.2	717.33	Chloride	25,500.0	719.28
Calcium	210.0	10.48	Carbonate	0.0	0.00
Magnesium	78.2	6.43	Bicarbonate	990.0	18.22
Iron	3.8	0.20	Hydroxide	0.0	0.00
Barium	7.0	0.10	-	0.0	0.00
Strontium	0.0	0.00	-	0.0	0.00
CATIONS	18,790.2	734.54	ANIONS	26,490.0	735.48

Analysis Balanced

System Parameters

Total Dissolved Solids @180C	43,280 mg/L
Sample Temperature, °F	70 F
Sample pH, standard units	7.6 Units
Dissolved Oxygen	0.0 ppm
Carbon Dioxide	0.0 mg/L
Total Sulfide, (TS)	0.0 mg/L
Sulfide Ion, (S)	0 mg/L
Dissolved Hydrogen Sulfide, (TS-S)	0 mg/L
Specific Gravity	1.0305
Resistivity, measured	0 ohm/m ³
Ionic strength	0.744
Sulfate Reducing Bacteria	nd
Aerobic Bacteria	nd

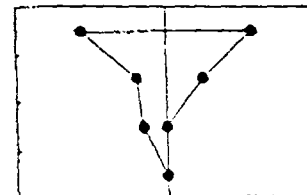
Scaling Tendency

CACO ₃			CASO ₄				
Temp F	Stiff Davis Index	A index	Temp F	SOLUBILITY Actual	SOLUBILITY Calculated	S Index	A Index
32	-0.16	-59	50	0.00	70.59	-70.59	-1883
50	-0.03	-11	68	0.00	70.84	-70.84	-1888
68	0.11	32	86	0.00	71.08	-71.08	-1694
77	0.18	53	104	0.00	71.16	-71.16	-1696
86	0.30	78	122	0.00	71.07	-71.07	-1694
104	0.52	115	140	0.00	70.11	-70.11	-1671
122	0.79	143	158	0.00	69.13	-69.13	-1648
140	1.11	163	176	0.00	68.13	-68.13	-1624
158	1.43	174					
176	1.78	179					

BASO₄ SCALE POSSIBLE

NO

Water Analysis Patern



NOTE: Stiff Davis Index

- indicates undersaturation. Scale formation negative.
- 0 indicates the water is at saturation point. Scale unlikely.
- + indicates supersaturation. A positive scaling condition exists.

NOTE: Skillman Method Calcium Sulfate 'S Index'

- indicates undersaturation. Scale formation negative.
- 0 indicates the water is at saturation point. Scale unlikely.
- + indicates supersaturation. A positive scaling condition exists.

NOTE: A Index; worst possible case. Assumes 100% precipitation.

- Units = pounds of scale produced / 1000 bbis. of water.
- A Index <= 0 Scale formation negative.
- A Index > 0 Scale formation positive.

Approved: Albert Rich
 05/05/2000 v4.01

EXHIBIT C

BJ SERVICES COMPANY
WATER ANALYSIS #FW01W791
FARMINGTON LAB

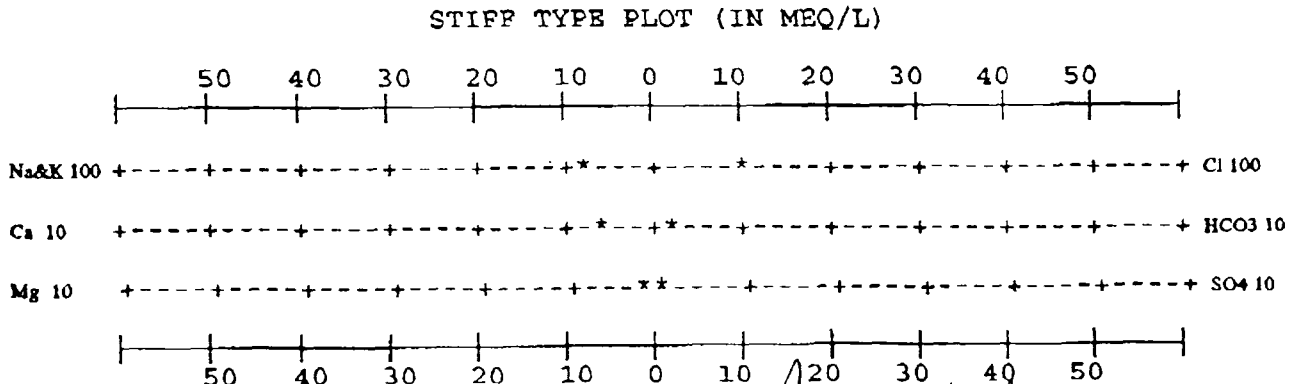
GENERAL INFORMATION		
OPERATOR:	CROSS TIMBERS	DEPTH:
WELL:	W.N. KRAUSE #1	DATE SAMPLED:
FIELD:		DATE RECEIVED:
SUBMITTED BY:	DUSTY MEECHAM	COUNTY:
WORKED BY:	D. SHEPHERD	STATE:
PHONE NUMBER:		FORMATION:

SAMPLE DESCRIPTION
sample for analysis

PHYSICAL AND CHEMICAL DETERMINATIONS			
SPECIFIC GRAVITY:	1.041	@ 69°F	PH: 7.03
RESISTIVITY (MEASURED):	0.180	ohms @ 74°F	
IRON (FE++) :	3 ppm	SULFATE:	134 ppm
CALCIUM:	1,077 ppm	TOTAL HARDNESS	3,460 ppm
MAGNESIUM:	187 ppm	BICARBONATE:	727 ppm
CHLORIDE:	33,614 ppm	SODIUM CHLORIDE (Calc)	55,295 ppm
SODIUM+POTASS:	20,542 ppm	TOT. DISSOLVED SOLIDS:	58,478 ppm
H2S: NO TRACE		POTASSIUM (PPM):	320

REMARKS

SAMPLE IS DETERMINED TO BE MAINLY DRILLING MUD
 IRON SHAVINGS WERE FOUND IN SAMPLE



ANALYST David Shepherd
 D. SHEPHERD

LAWRENCE

FL 5

BJ SERVICES COMPANY

WATER ANALYSIS #FW01W163

FARMINGTON LAB

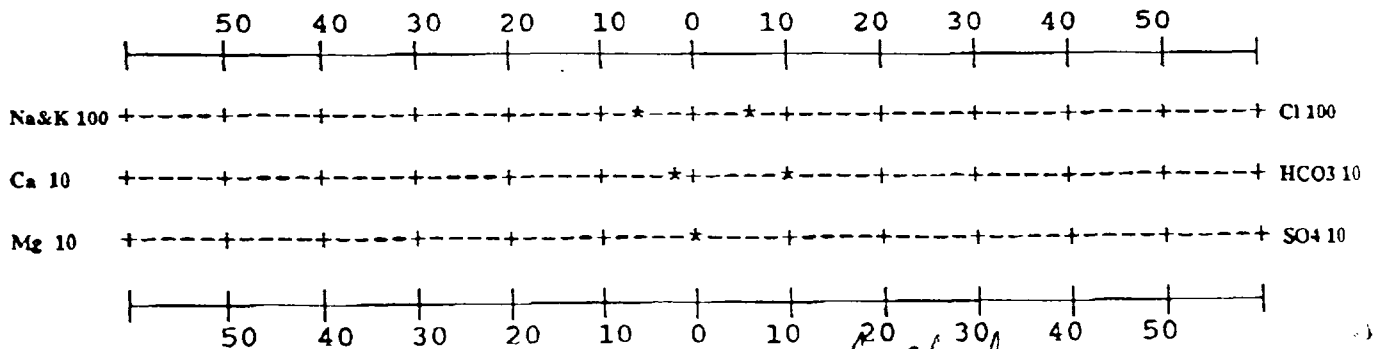
GENERAL INFORMATION			
OPERATOR:	CROSS TIMBER	DEPTH:	
WELL:	L.C KELLY 6A	DATE SAMPLED:	06/29/98
FIELD:	SEC11D/T30/R12W	DATE RECEIVED:	07/03/98
SUBMITTED BY:	L. FOTHERGILL	COUNTY:	STATE: NM
WORKED BY:	D. SHEPHERD	FORMATION:	MESAVERDE
PHONE NUMBER:			

SAMPLE DESCRIPTION
sample for analysis

PHYSICAL AND CHEMICAL DETERMINATIONS			
SPECIFIC GRAVITY:	1.023	@ 83°F	PH: 6.82
RESISTIVITY (MEASURED):	0.220	ohms @ 78°F	
IRON (FE++) :	25 ppm	SULFATE:	0 ppm
CALCIUM:	368 ppm	TOTAL HARDNESS	1,232 ppm
MAGNESIUM:	76 ppm	BICARBONATE:	6,440 ppm
CHLORIDE:	19,061 ppm	SODIUM CHLORIDE (Calc)	31,355 ppm
SODIUM+POTASS:	14,220 ppm	TOT. DISSOLVED SOLIDS:	40,953 ppm
IODINE: no trace		POTASSIUM CHLORIDE:	150 (PPM)

REMARKS

STIFF TYPE PLOT (IN MEQ/L)



ANALYST

D. Shepherd
D. SHEPHERD

7/10/98

HALLIBURTON ENERGY SERVICES
FIELD LABORATORY
WESTERN AREA

LABORATORY ANALYSIS

To: AMOCO

Date: 06-05-96

Submitted by: KRIS JONES

Date Rec. 06-05-96

Attention: LARRY HUMPHREY

REPORT#: WF-96-175

WELL NAME: BASSETT B-1

FORMATION: MESA VERDE

Specific Gravity	<u>1.010</u>		
pH	<u>7.73</u>		
Resistivity	<u>.347</u>		
Iron (Fe)	<u>10</u>	Milligrams per Liter	
Potassium (K)	<u>0</u>	"	"
Sodium (Na)	<u>11300</u>	"	"
Calcium (Ca)	<u>1587</u>	"	"
Magnesium (Mg)	<u>1834</u>	"	"
Chlorides (Cl)	<u>15909</u>	"	"
Sulfates (SO ₄)	<u>12000</u>	"	"
Carbonates (CO ₃)	<u>0</u>	"	"
Bicarbonates (HCO ₃)	<u>1464</u>	"	"
Total Dissolved Solids	<u>44104</u>	"	"

BY: TERESA WHITE

Title LAB TECH

Location FARMINGTON

NOTICE: This report is limited to the described sample tested. Any person using or relying on this report agrees that Halliburton shall not be liable for any loss or damage whether due to act or omission resulting from such report or its use.

EX-101-10

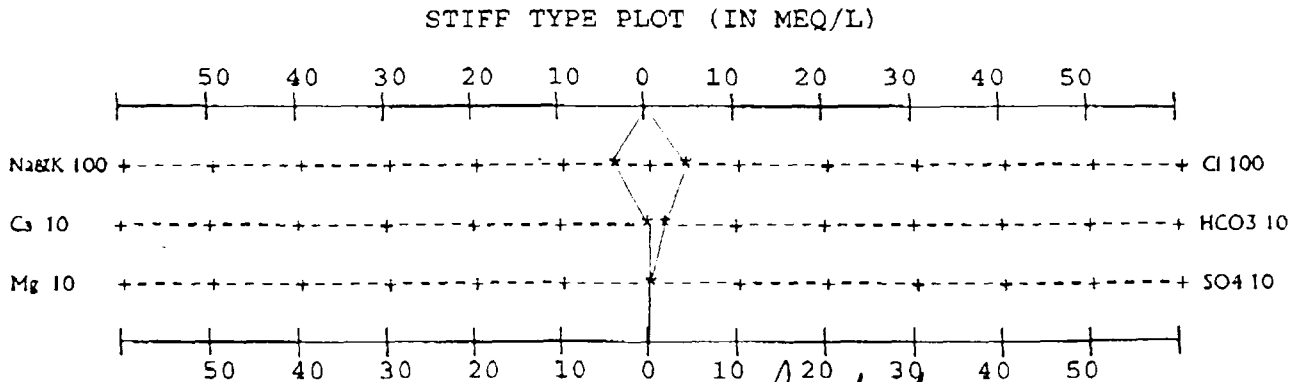
BJ SERVICES COMPANY
WATER ANALYSIS #FW01W576
FARMINGTON LAB

GENERAL INFORMATION	
OPERATOR: CROSS TIMBERS	DEPTH:
WELL: MARTINEZ GC I #1	DATE SAMPLED: 07/30/99
FIELD: <i>f, Sec 24 T29N R10W</i>	DATE RECEIVED: 07/30/99
SUBMITTED BY: JEFF TRECKER	COUNTY: SAN JUAN STATE: NM
WORKED BY: D. SHEPHERD	FORMATION: MESAVERDE
PHONE NUMBER:	API # <i>30-045-22954</i>

SAMPLE DESCRIPTION
sample for analysis

PHYSICAL AND CHEMICAL DETERMINATIONS	
SPECIFIC GRAVITY: 1.016 @ 75°F	PH: 7.70
RESISTIVITY (MEASURED): 0.260 ohms @ 73°F	
IRON (FE++) : 0 ppm	SULFATE: 0 ppm
CALCIUM: 63 ppm	TOTAL HARDNESS 355 ppm
MAGNESIUM: 48 ppm	BICARBONATE: 1,393 ppm
CHLORIDE: 15,005 ppm	SODIUM CHLORIDE (Calc) 24,683 ppm
SODIUM+POTASS: 10,090 ppm	TOT. DISSOLVED SOLIDS: 26,842 ppm
H2S: NO TRACE	POTASSIUM (PPM): 57

REMARKS
MILKY COLORED WATER WITH TRACE OF OIL



ANALYST *D. Shepherd*
D. SHEPHERD

EXHIBIT G

BJ SERVICES COMPANY

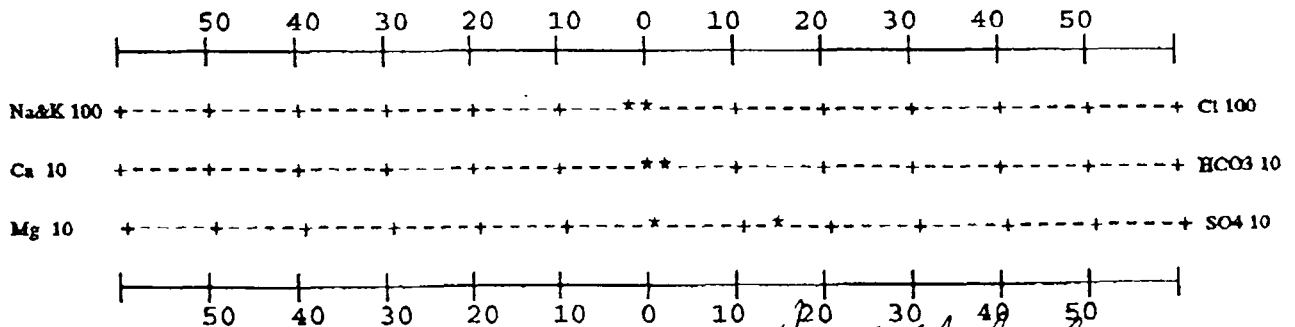
WATER ANALYSIS #WA000009

FARMINGTON LAB

GENERAL INFORMATION		
OPERATOR:	CROSS TIMBERS OPERATING	DEPTH:
WELL:	AZTEC GAS COM 4 #1E	DATE SAMPLED:
FIELD:		DATE RECEIVED:
SUBMITTED BY:	JOHN RECTOR	COUNTY:
WORKED BY:	D. SHEPHERD	STATE:
PHONE NUMBER:		FORMATION:
		DAKOTA (Morrison)
		6735' - 41'

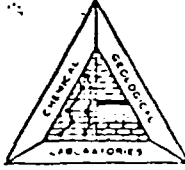
SAMPLE DESCRIPTION	
sample for analysis	
PHYSICAL AND CHEMICAL DETERMINATIONS	
SPECIFIC GRAVITY:	1.008 @ 76°F PH: 7.45
RESISTIVITY (MEASURED):	0.410 ohms @ 75°F
IRON (FE++) :	0 ppm SULFATE: 7,044 ppm
CALCIUM:	199 ppm TOTAL HARDNESS 596 ppm
MAGNESIUM:	24 ppm BICARBONATE: 1,549 ppm
CHLORIDE:	3,174 ppm SODIUM CHLORIDE (Calc) 5,221 ppm
SODIUM+POTASS:	5,737 ppm TOT. DISSOLVED SOLIDS: 18,099 ppm
H2S: no trace	POTASSIUM (PPM): 110
REMARKS	

STIFF TYPE PLOT (IN MEQ/L)



ANALYST *D. Shepherd*
D. SHEPHERD

50
1000
1000



CHEM LAB

WATER ANALYSIS EXCHANGE REPORT

MAY 12 1966
FARMING AREA
7 AS
10
2
3
4-566

*Ute Indians
A#4*

MEMBER Pan American Petroleum Corp. LAB NO. 22132 REPORT NO. 4-566
 OPERATOR Pan American Petroleum Corp. LOCATION SE 35-32N-14W
 WELL NO. Ute Indian A-4 FORMATION Upper Paradox
 FIELD Ute Dome Paradox INTERVAL 7650-7690
 COUNTY San Juan SAMPLE FROM Flow line (3-28-66)
 STATE New Mexico DATE April 12, 1966

REMARKS & CONCLUSIONS: Black, muddy water; quebracho colored filtrate.
Rw @170°F - - - 0.130 ohm-meters.

Cations			Anions		
	mg/l	meq/l		mg/l	meq/l
Sodium	5,555	241.61	Sulfate	650	13.52
Potassium	120	3.07	Chloride	15,600	439.92
Lithium	8	1.15	Carbonate	-	-
Calcium	3,125	155.94	Bicarbonate	744	12.20
Magnesium	777	63.87	Hydroxide	-	-
Iron	absent	-	Hydrogen sulfide	absent	-
Total Cations		465.64	Total Anions		465.64

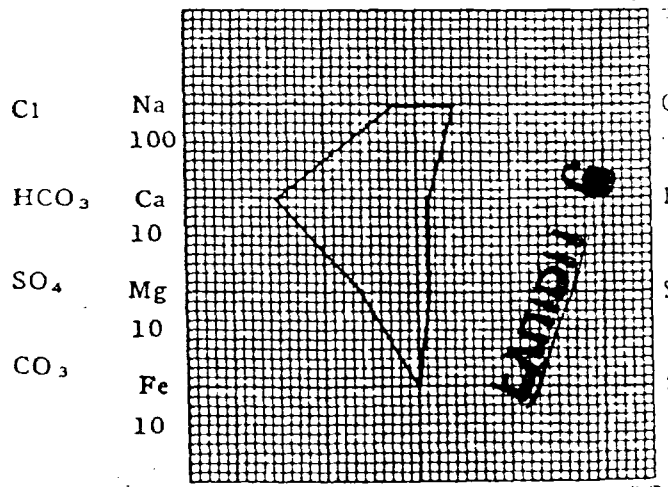
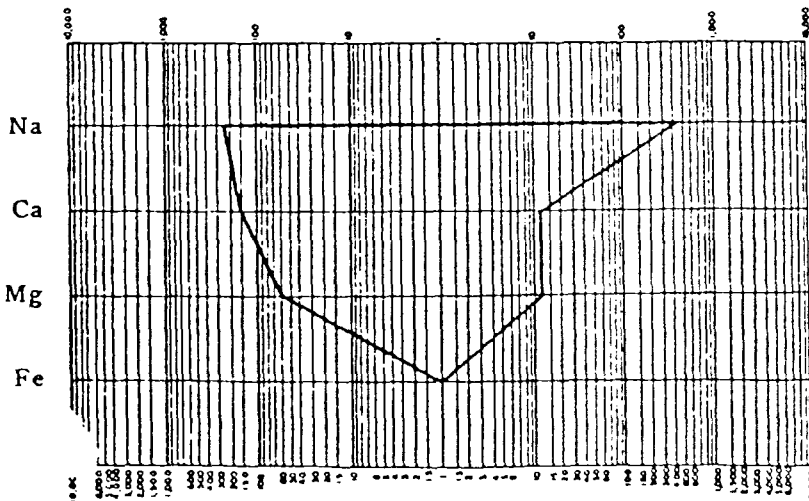
Total dissolved solids, mg/l - - - - 26,201
 NaCl equivalent, mg/l - - - - 26,332
 Observed pH - - - - 8.0
 Specific resistance @ 68° F.:
 Observed - - - - 0.27 ohm-meters
 Calculated - - - - 0.27 ohm-meters
 Rw @170°F - - - - 0.130 ohm-meters

WATER ANALYSIS PATTERNS

MEQ per unit

LOGARITHMIC

STANDARD



(Na value in above graphs includes Na, K, and Li)
 NOTE: Mg/l = Milligrams per liter Meq/l = Milligram equivalents per liter
 Sodium chloride equivalent = by Dunlap & Hawthorne calculation from components



1115 Farmington Avenue - Farmington, NM 87401
 (505) 325-1085

Lab Number: W94-139

Standard A.P.I. Water Analysis Report

Company: AMOCO PRODUCTION CO. Date Collected: 5/12/94; 9:30
 Sample ID: VALENCIA CANYON #16 Date Received: 5/19/94
 Formation: Pictured Cliffs Date Analyzed: 5/19/94
 Location: SEC 23-T28-R4 County: Rio Arriba State: New Mexico
 Collected By: Brooke Hemphill Analyst: Sheila F./Linda S. *Sheila*
 Remarks:

Attention: John Hatch

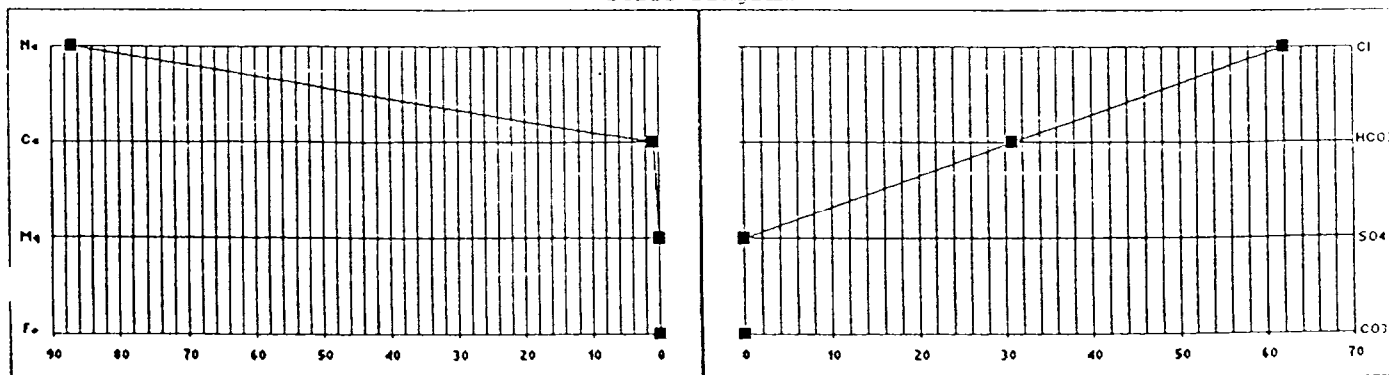
PARAMETER	as ION	Comment	PARAMETER	as ION	Comment
Sodium, Na	2,000 mg/l		Chloride, Cl	2,200 mg/l	
Potassium, K	30 mg/l		Sulfate, SO4	<200 mg/l	
Calcium, Ca	16 mg/l		Hydroxide, OH	0 mg/l	
Magnesium, Mg	<2 mg/l		Carbonate, CO3	0 mg/l	
Iron, Fe (Total)	 mg/l	NOT RUN	Bicarbonate, HCO3	1,880 mg/l	
Sulfide	 mg/l	NOT RUN	Resistivity	1.12 ohm-m	
pH	8.0 units		Conductivity	8,900 uS/cm	
Total Dissolved Solids	5,610 mg/l		Specific Gravity	1.007	
				(@25 Degrees C)	
				(@60 Degrees F)	

EXHIBIT G

Remarks: Creamy yellow opaque after filtering. Oil phase present.

Anion/Cation: 105%

Stiff Diagram



Scale: Meq/L

American Energy Services
Water Analysis Results Sheet

Operator:	CrossTimbers Operating	Date:	5/18/00
Well :	J.F. Day C - 2R	District:	
Formation:	Pictured Cliffs	Requested by:	
County:		Technician:	Chad Durdin
Depth:		Source:	

PHYSICAL AND CHEMICAL DETERMINATION

SPECIFIC GRAVITY:	1.01	AT 75 Degrees F.	
pH:	7.1		SULFATES: [REDACTED] ppm
IRON:	3	ppm	CALCIUM: 910.9 ppm
H2S:	0	ppm	BICARBONATES: 543.6 ppm
			RESISTIVITY: ohm/meter
			CHLORIDES: 3168.3 ppm
			SODIUM : 847.3 ppm
MAGNESIUM:	192.5	ppm	POTASSIUM: 240.0 ppm
			TDS: 5902.522 ppm

CaCO3 Scale Tendency = Possible

CaSO4 Scale Tendency = Remote

REMARKS:

SEC 20,T28N,R10W

Data contained in this document is based on the best information & most current test procedures and materials available. No liability is expressed or implied.

EXHIBIT G

American Energy Services
Water Analysis Results Sheet

Operator:	CrossTimbers Operating	Date:	5/18/00
Well :	J.F. Day B - 2R	District:	
Formation:	Pictured Cliffs	Requested by:	
County:		Technician:	Chad Durdin
Depth:		Source:	

PHYSICAL AND CHEMICAL DETERMINATION

SPECIFIC GRAVITY:	1.01	AT 75 Degrees F.	
pH:	9.3		SULFATES: [REDACTED] ppm
			CALCIUM: 118.8 ppm
IRON:	0	ppm	BICARBONATES: 2186.3 ppm
			RESISTIVITY: ohm/meter
H2S:	0	ppm	CHLORIDES: 2376.2 ppm
			SODIUM : 231.5 ppm
			POTASSIUM: 160.0 ppm
MAGNESIUM:	1058.6	ppm	TDS: 6131.51 ppm

CaCO3 Scale Tendency = Remote
CaSO4 Scale Tendency = Remote

REMARKS: SEC 7, T28N, R10W

Data contained in this document is based on the best information & most current test procedures and materials available. No liability is expressed or implied.

EXHIBIT 6



TECH, Inc
 333 East Main
 Farmington
 New Mexico
 87401
 505/327-3311

TECH

OIL-FIELD WATER ANALYSIS REPORT

DATE: April 30, 1984

REPORTED TO: Amoco Production Company
 501 Airport Drive
 Farmington, NM 87401

FURNISHED BY: Tim Clawson

COPIES TO:

LABORATORY No. 4-315 (2)

PAGE 2 of 2

Company Amoco Production Company		Sample No. 1	Date Sampled 4/23/84
Field Aztec Pictured Cliffs	Legal Description NW 14, Sec 25, T29N, R10W	County or Parish San Juan	State NM
Lease or Unit Abrams C	Well 1	Depth --	Formation Pictured Cliffs
Type of Water (Produced, Supply, etc.) --	Sampling Point Wellhead	Water, B/D 686	Sampled By Bert Martinez

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na	1300	57
Calcium, Ca	433	22
Magnesium, Mg	11	1
Barium, Ba		
Potassium, K	8	<1

ANIONS

Chloride, Cl	40	1
Sulfate, SO ₄	4040	84
Carbonate, CO ₃	0	0
Bicarbonate, HCO ₃	25	<1

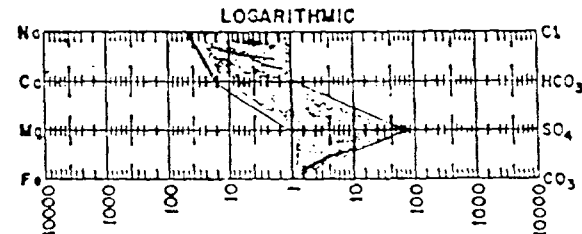
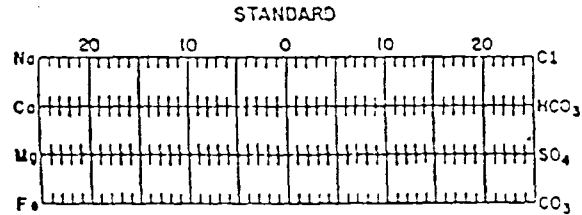
Total Dissolved Solids 6298

Iron, Fe (total) _____
 Sulfide, as H₂S _____

OTHER PROPERTIES

pH	7.40
Specific Gravity, 60/60 F.	1.010
Resistivity (ohm-meters) 68F.	1.78

WATER PATTERNS — me/l



Date Received 4/25/84	Preserved No	Date Analyzed 4/27/84 - 4/30/84	Analyzed By Carolyn Penney
--------------------------	-----------------	------------------------------------	-------------------------------

REMARKS & RECOMMENDATIONS:

REASON: Suspected Casing Leak.
 Iron present.

4/27/84

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TECH, Inc
 By Carolyn Penney



Water Analysis Work Sheet

Company	Cross Timbers Operating	Sample I.D.	
Well	Kutz Deep Test C #2	Date Sampled	6/26/01
S/T/R	S27/T28N/R10W	Date Tested	6/27/01
Formation	Fruitland Sand 1,771' - 82' Unknown † Pictured Cliffs 2,004' - 42'	Submitted By:	Ray Martin

Results

pH	5.62	Potassium : K+	13
Resistivity	10	Temperature	71
H ₂ S	0	Sulfate	0
Fe +2 : Ferrous	25	Fe +3 : Ferric	0
Specific Gravity	1.000	Specific Gravity @ 60	
Bicarbonate : HCO ₃ ⁻ (mg/l)	281	Total Hardness (mg/l)	80
Calcium : Ca +2 (mg/l)	20	Magnesium : Mg +2 (mg/l)	7
Chloride : Cl ⁻ (mg/l)	100	Sodium : Na + (mg/l)	134
Total Dissolved Solids (mg/l)	542		

Comments: Rusty colored Water

Tested by: D. Shepberd

EXHIBIT G



SWD 337

API WATER ANALYSIS REPORT FORM

Company MERIDIAN OIL COMPANY	Sample No. #3	Date Sampled 7/11/88
Field	Legal Description 29-32-10-10	County or Parish State
Lease of Unit Cedar Hill SWD #1	Depth	Formation Shaly Permian
Type of Water (Produced, Supply, etc.)	Sampling Point	Water, B/D Sampled By M. Mason

DISSOLVED SOLIDS

CATIONS	mg/l	meq
Sodium, Na (calc.)	4823	210.4
Calcium, Ca	313	15.6
Magnesium, Mg	34	4.4
Barium, Ba		

OTHER PROPERTIES

pH	6.25
Specific Gravity, 60/60 F.	1.006
Resistivity (ohm-meters)	1.30
Conductivity	µmho

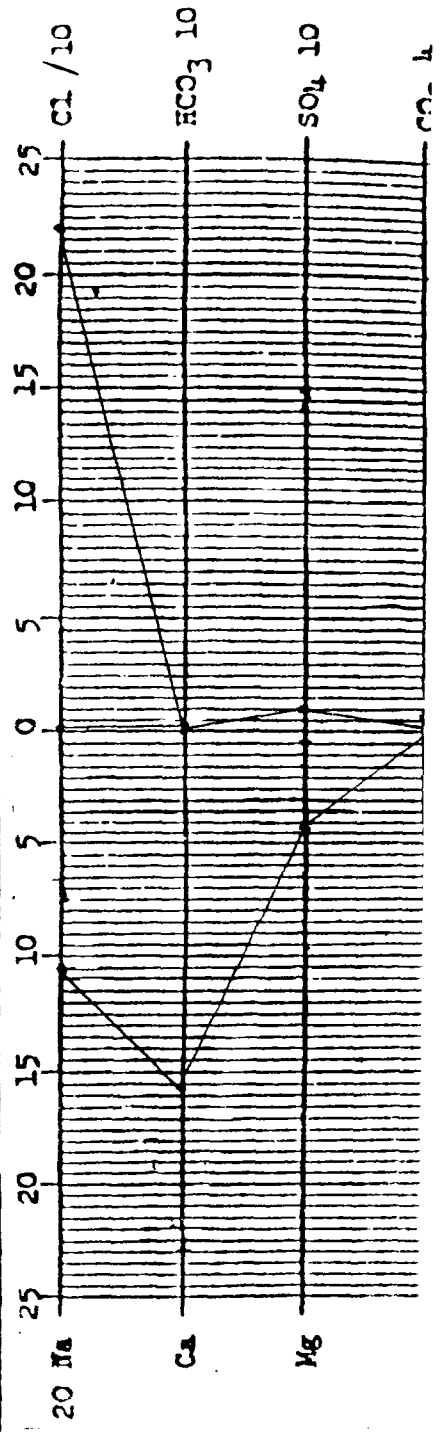
Total Dissolved Solids (calc.) 13,500

ANIONS

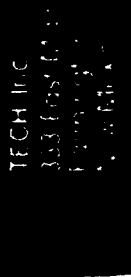
Chloride, Cl	7610	220.0
Sulfate, SO ₄	478	18.0
Carbonate, CO ₃	0	
Bicarbonate, HCO ₃	37	0.6

Iron, Fe (total)
Sulfide, as H₂S

REMARKS & RECOMMENDATIONS:



EX-101



SUD 307

API WATER ANALYSIS REPORT FORM

Company MERIDIAN OIL COMPANY	Sample No #2	Date Sampled 7/11/88
Field	Legal Description 29-32-10-10	County or Parish State
Lease or Unit Cedar Hill SUD #1	Well SUD #1	Depth 321.10
Type of Water (Produced, Supply, etc.)	Formation Shuff Sumner	Water, B/D
	Sampling Point	Sampled By M. Menden

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	4097	178.9
Calcium, Ca	44	22.2
Magnesium, Mg	41	28.0
Barium, Ba		

OTHER PROPERTIES

pH	6.05
Specific Gravity, 60/60 F.	1.004
Resistivity (ohm-meters)	1.35
Conductivity	µmho

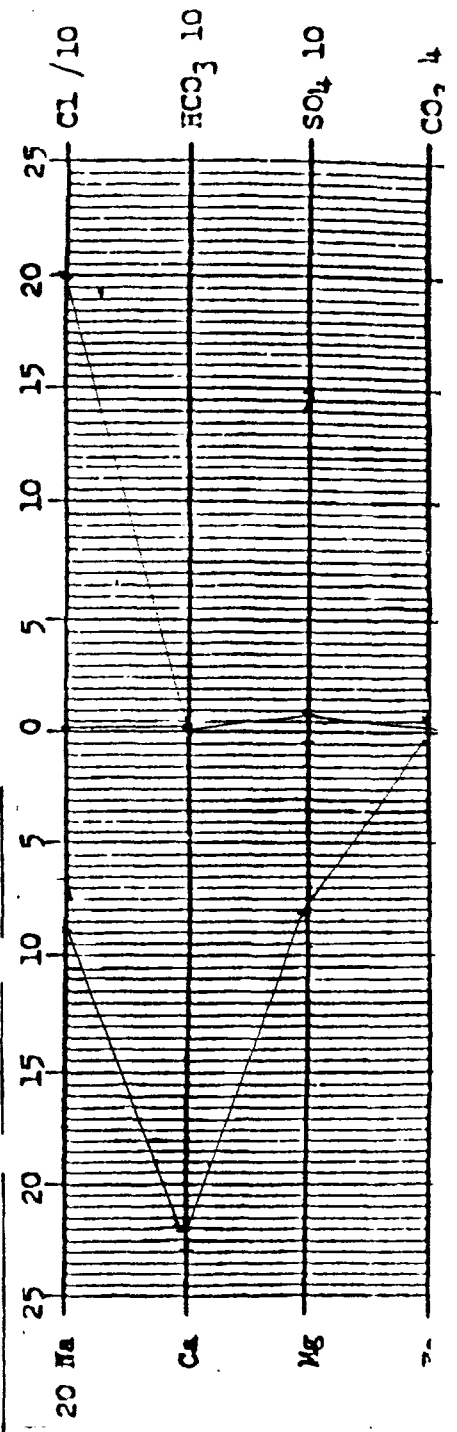
ANIONS

Chloride, Cl	11.00	200.0
Sulfate, SO ₄	405	8.5
Carbonate, CO ₃	0	0
Bicarbonate, HCO ₃	26	0.7

Total Dissolved Solids (calc.) 12,200

Iron, Fe (total) _____
Sulfide, as H₂S _____

REMARKS & RECOMMENDATIONS:





SWD 327

API WATER ANALYSIS REPORT FORM

Company	MERIDIAN OIL COMPANY	Sample No.	#1	Date Sampled	7/11/48
Field	Legal Description	County or Parish	State		
Lease or Unit	Well	Depth	Formation	Water, B/D	
Type of Water (Produced, Supply, etc.)	Sampling Point	Sampled By			

DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	4086	178.4
Calcium, Ca	447	22.0
Magnesium, Mg	37	3.0
Barium, Ba		

OTHER PROPERTIES

pH	4.43
Specific Gravity, 60/60 F.	1.006
Resistivity (ohm-meters)	1.40
Conductivity	µmho

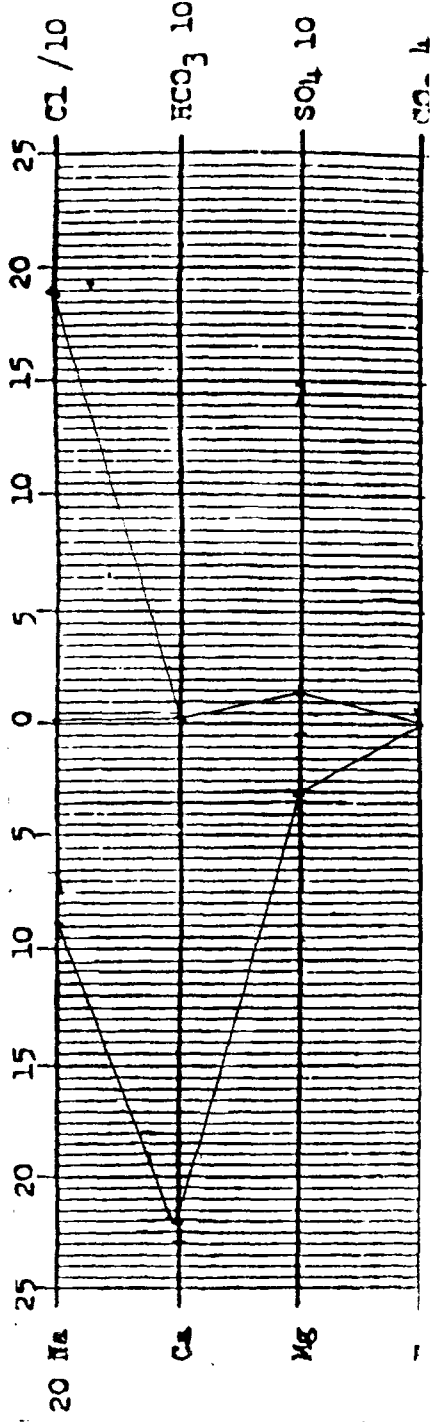
ANIONS

Chloride, Cl	6745	190.0
Sulfate, SO ₄	613	12.76
Carbonate, CO ₃	9	0
Bicarbonate, HCO ₃	41	0.67

Total Dissolved Solids (calc.) 12,000

Iron, Fe (total) Sulfide, as H₂S

REMARKS & RECOMMENDATIONS: 2505-617





SWD 0145

2198 East Bloomfield Highway
Farmington, New Mexico 87401
Phone (505) 327-7281

SMITH ENERGY SERVICES a division of Allied Products
WATER ANALYSIS

Jul. 11, 1988

Page 1

MERIDIAN OIL INC.
MARK MANSON
Date Sampled: 07-09-88
Well: CEDAR HILL SWD #1

Formation: BLUFF/SUMMERVILLE
Legals: SEC. 29, ~~T30N~~, R10W
County: SAN JUAN, N.M.
Report No.: 1

Specific Gravity:	1.010	pH:	
Chloride:	6,800.0 mg/l	Calcium:	593 mg/l
Bicarbonate:	61 mg/l	Magnesium:	29 mg/l
Sulfate:	400 mg/l	Total Iron:	mg/l
Sulfide:	mg/l	Sodium:	2,997 mg/l
Total Hardness:	1,600 mg/l	Total Diss Solids:	12,380 mg/l
Potassium:	1,500 mg/l		
Resistivity:	.78 Ohm Meters at 60 Degrees F		

Sample Source: SAMPLED WHILE SWABBING.

Remarks: SAMPLE APPEARS TO BE FORMATION WATER.

Your water report was prepared by: MIKE CONREY

EXHIBIT H



SWD 307

2198 East Bloomfield Highway
Farmington, New Mexico 87401
Phone (505) 327-7281

SMITH ENERGY SERVICES a division of Allied Products
WATER ANALYSIS

Jul. 11, 1988

Page 1

MERIDIAN OIL INC.
MARK MANSON
Date Sampled: 07-09-88
Well: CEDAR HILL SWD #1

Formation: BLUFF/SUMMERVILLE
Legals: SEC. 29, T30N, R10W
County: SAN JUAN
Report No.: 2

Specific Gravity:	1.012	pH:	
Chloride:	7,100.0 mg/l	Calcium:	529 mg/l
Bicarbonate:	61 mg/l	Magnesium:	38 mg/l
Sulfate:	400 mg/l	Total Iron:	mg/l
Sulfide:	mg/l	Sodium:	3,250 mg/l
Total Hardness:	1,480 mg/l	Total Diss Solids:	12,878 mg/l
Potassium:	1,500 mg/l		
Resistivity:	.68 Ohm Meters at 60 Degrees F		

Sample Source: SAMPLED WHILE SWABBING, SAMPLE #2

Remarks: SAMPLE APPEARS TO BE FORMATION WATER.

Your water report was prepared by: MIKE CONREY

EXHIBIT H



SWL 3-7

2198 East Bloomfield Highway
Farmington, New Mexico 87401
Phone (505) 327-7281

SMITH ENERGY SERVICES a division of Allied Products
WATER ANALYSIS

Jul. 11, 1988

Page 1

MERIDIAN OIL INC.
MARK MANSON
Date Sampled: 07-09-88
Well: CEDAR HILL SWD #1

Formation: BLUFF/SUMMERVILLE
Legals: SEC. 29, ~~T30N~~, R10W
County: SAN JUAN, N.M.
Report No.: 3

334

Specific Gravity:	1.010	pH:	
Chloride:	7,400.0 mg/l	Calcium:	453 mg/l
Bicarbonate:	397 mg/l	Magnesium:	75 mg/l
Sulfate:	400 mg/l	Total Iron:	mg/l
Sulfide:	mg/l	Sodium:	3,590 mg/l
Total Hardness:	1,440 mg/l	Total Diss Solids:	13,815 mg/l
Potassium:	1,500 mg/l		
Resistivity:	.62 Ohm Meters at 60 Degrees F		

Sample Source: SAMPLED WHILE SWABBING. SAMPLE #3

Remarks: SAMPLE APPEARS TO BE FORMATION WATER

Your water report was prepared by: MIKE CONREY

EXHIBIT H

75 SUTTLE STREET
PO BOX 2605
DURANGO, CO 81302
(303) 247-4220

ATTEN: BILL CLARK
PO BOX 1237
DURANGO, CO 81302
(303) 247-0728

DATE SAMPLED: 8/17/88
WELL NAME: NEBU UNIT 501
LOCATION:
FORMATION: MORRISON PERFS.
SAMPLED FROM:
WELL ON/OFF:

CDS ID #: 1120

CONSTITUENT		ppm	ppm
Sodium	Na +	10600	461.1
Potassium	K +	1810	46.3
Calcium	Ca ++	685	34.2
Magnesium	Mg ++	65.9	5.4
Iron Total	Fe++ & Fe+++	230	12.4

Item 3A
SWD-339

POSITIVE SUB-TOTAL 13390.9 559.3565

Chloride	Cl -	18200	513.2
Carbonate	CO3 =	0	0.0
Bicarbonate	HCO3-	537	8.8
Hydroxide	OH -	0	0.0
Sulfate	SO4 =	1750	36.4

NEGATIVE SUB-TOTAL 20487 558.47643

Total Dissolved Solids 35100 ppm
pH 6.71 units
Specific Gravity 1.023 @ 73 F.
Resistivity 24 ohm-cm

APPROVED BY: _____


DR. JOE BOWDEN, DIRECTOR

This Laboratory report may not be published or used for advertising or in connection with advertising of any kind without prior written permission from CDS Laboratories.

Results are based on analysis made at the time samples are received at the laboratory.

EXHIBIT 1



Item 3B
SWD-339

API WATER ANALYSIS REPORT FORM

Company <i>Duckwood Nichols</i>	Sample No.	Date Sampled <i>8/3/47</i>
Field	Legal Description <i>10 - 30 - 7w</i>	County or Parish
State	Depth	Formation <i>Horizon</i>
Lease or Unit <i>NE BK</i>	Well <i>501 SWD</i>	Water, B/D
Type of Water (Produced, Supply, etc.)	Sampling Point	Sampled By

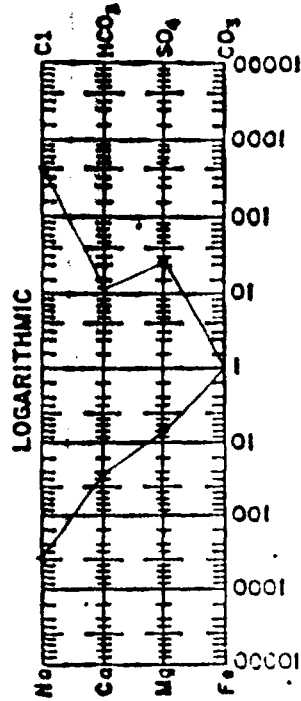
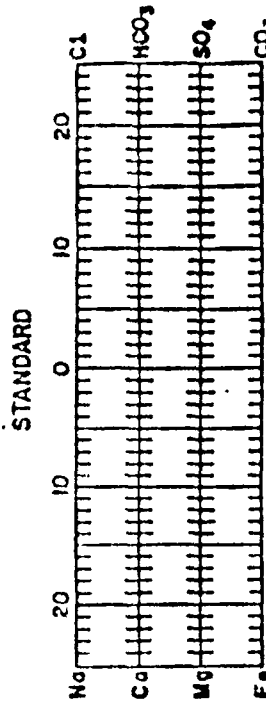
DISSOLVED SOLIDS

CATIONS	mg/l	me/l
Sodium, Na (calc.)	<i>11631</i>	<i>507.0</i>
Calcium, Ca	<i>341</i>	<i>32.0</i>
Magnesium, Mg	<i>27</i>	<i>8.0</i>
Barium, Ba		

OTHER PROPERTIES

pH	<i>6.37</i>
Specific Gravity, 60/60 F.	<i>1.013</i>
Resistivity (ohm-meters)	<i>39 F.</i>

WATER PATTERNS — me/l



ANIONS

Chloride, Cl	<i>17750</i>	<i>500.0</i>
Sulfate, SO ₄	<i>1710</i>	<i>33.6</i>
Carbonate, CO ₃	<i>0</i>	<i>0</i>
Bicarbonate, HCO ₃	<i>749</i>	<i>12.3</i>

Total Dissolved Solids (calc.) *35,600*

Iron, Fe (total)
Sulfide, as H₂S
alg

REMARKS & RECOMMENDATIONS:

EXHIBIT 3

API WATER ANALYSIS REPORT FORM

Laboratory No. 25-901231-2A

Company AHCO		Sample No.		Date Sampled N/A	
Field		Legal Description 26-50N-9W		State	
Lease or Unit ELECT		Well SWD #1		Depth	
Type of Water (Produced, Supply, etc.)		Formation Morrison		Water, B/D	
Sampling Point After Perforating, Swab Prior to stimulation		OTHER PROPERTIES		Sampled By	

DISSOLVED SOLIDS

CATIONS	mg/l	me/l	pH
Sodium, Na (calc.)	9149	317.8	6.37
Calcium, Ca	326	16.3	1.060
Magnesium, Mg	38	3.1	0.35
Barium, Ba			

ANIONS

Chloride, Cl	12970	394
Sulfate, So ₄	1058	21.9
Carbonate, CO ₃		
Bicarbonate, HCO ₃	81	1.3

Total Dissolved Solids (calc.) 24614

Iron, Fe (total)
Sulfide, as H₂S

REMARKS & RECOMMENDATIONS:

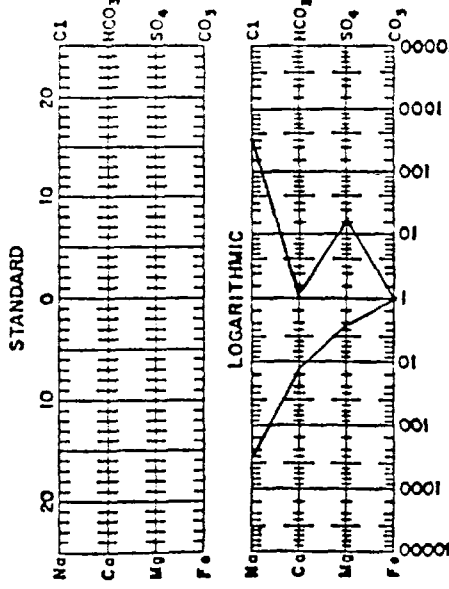
ATTN: Jim Buesene
326-9220

Brock Bell

Date Received 12-31-90	Preserved	Date Analyzed 12-31-90	Analyzed By
----------------------------------	-----------	----------------------------------	-------------

EXHIBIT I

WATER PATTERNS — me/l



TECH, Inc.
333 East Main
Farmingington
New Mexico
87401
505/327-3311

Post-It™ brand fax transmittal memo 7671	# of pages > 1
To: J. Buesene	From: MPL
Co. AHCO	Co. Tech
Dept.	Phone #
Fax # 326-9220	Fax #

API WATER ANALYSIS REPORT FORM

SWD
 441

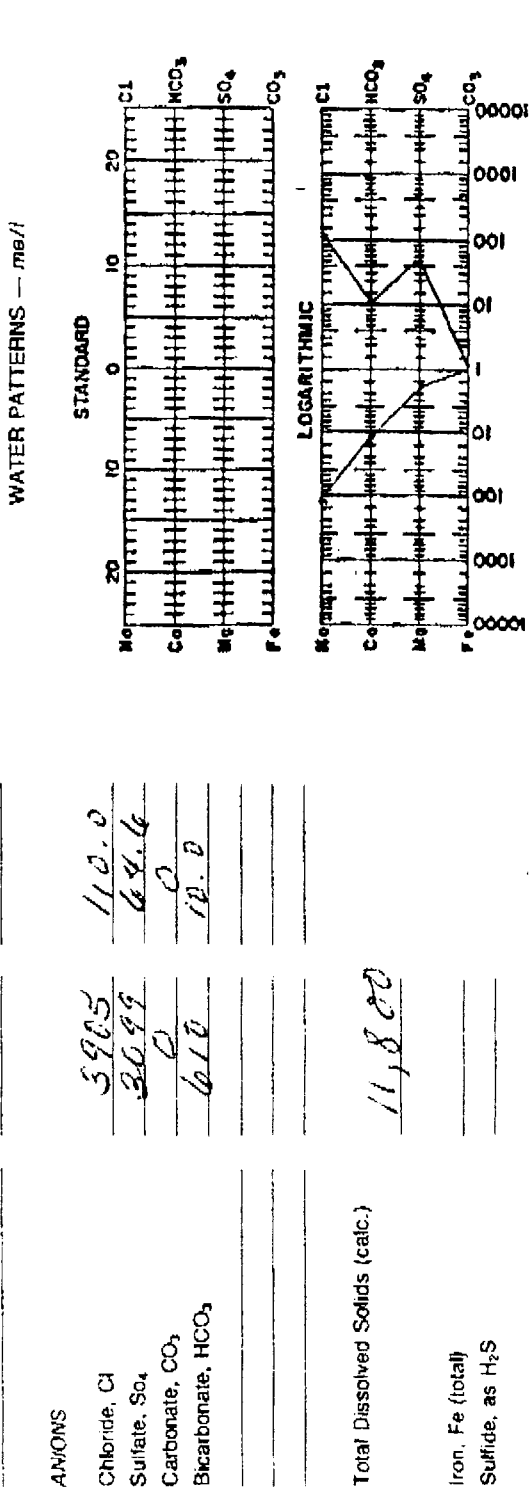
Lab. No. <u>2423</u>	Sample No. <u>#8</u>	Date Sampled <u>1/18/90</u>
Company <u>Blackwood & Nichols</u>	County or Parish <u>SJ</u>	State <u>DM</u>
Field <u>Y.M. Hill Mesa</u>	Depth <u>Upper Member</u>	Water, B/D
Case or Unit <u>U.E.B.U.</u>	Well <u>#502</u>	Formation <u>Upper Member</u>
Type of Water (Produced, Supply, etc.) <u>1.3 B&N's Swabbed</u>	Well <u>#502</u>	Sampling Point <u>Swabbing</u>
	Well <u>#502</u>	Sampled By <u>Bayler</u>



TECH, INC.
 333 East Main
 Farmington
 New Mexico
 87401
 505/327-3311

RECEIVED
 JAN 23 1990
 BLACKWOOD & NICHOLS CO., LTD.

DISSOLVED SOLIDS	mg/l	me/l
CATIONS		
Sodium, Na (calc.)	<u>38.52</u>	<u>168.20</u>
Calcium, Ca	<u>2.81</u>	<u>14.0</u>
Magnesium, Mg	<u>2.9</u>	<u>2.4</u>
Barium, Ba		
OTHER PROPERTIES		
pH		<u>7.08</u>
Specific Gravity, 60/60 F.		<u>1.008</u>
Resistivity (ohm-meters)		<u>48.5</u>



Total Dissolved Solids (calc.)	<u>11,800</u>
Iron, Fe (total)	
Sulfide, as H ₂ S	

REMARKS & RECOMMENDATIONS:

Date Received <u>1/22/90</u>	Preserved	Date Analyzed <u>1/22/90</u>	Analyzed By <u>S. Bayler</u>
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BJ SERVICES COMPANY

WATER ANALYSIS #FW01W718

FARMINGTON LAB

GENERAL INFORMATION

OPERATOR: MALLON OIL	DEPTH:	
WELL: SIMMS FED. #1 13-30w-4w	DATE SAMPLED: 11/15/99	
FIELD:	DATE RECEIVED: 11/15/99	
SUBMITTED BY: J. ZELLITTI	COUNTY:	STATE: NM
WORKED BY: D. SHEPHERD	FORMATION: Mallison	
PHONE NUMBER:		

SAMPLE DESCRIPTION

SAMPLE #1

PHYSICAL AND CHEMICAL DETERMINATIONS

SPECIFIC GRAVITY:	1.015	@ 72°F	PH:	7.10	
RESISTIVITY (MEASURED):	0.340	ohms @ 71°F			
IRON (FE++) :	0	ppm	SULFATE:	256	ppm
CALCIUM:	150	ppm	TOTAL HARDNESS	473	ppm
MAGNESIUM:	24	ppm	BICARBONATE:	180	ppm
CHLORIDE:	10,479	ppm	SODIUM CHLORIDE (Calc)	17,237	ppm
SODIUM+POTASS:	11,485	ppm	TOT. DISSOLVED SOLIDS:	22,873	ppm
H2S: NO TRACE			POTASSIUM (PPM):	15,600	

REMARKS

STIFF TYPE PLOT (IN MEQ/L)

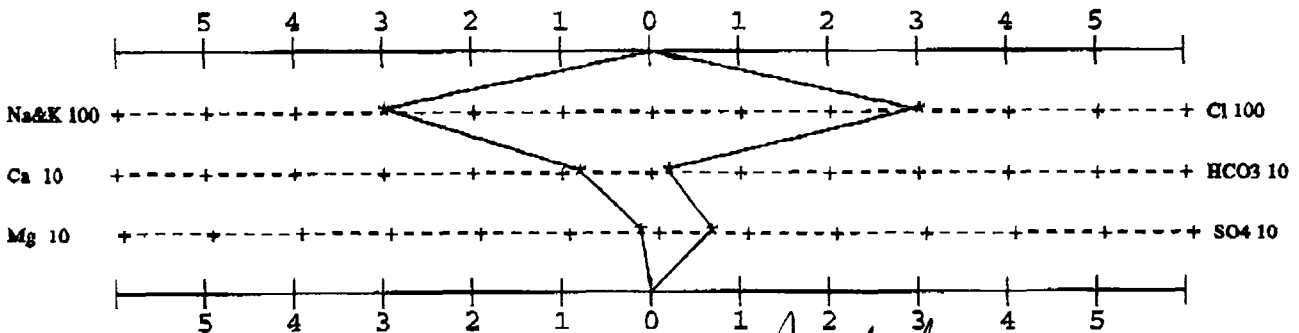


EXHIBIT II

ANALYST D. Shepherd
D. SHEPHERD

CDS LABORATORIES
 75 SUTTLE STREET
 P.O. BOX 2605
 DURANGO CO 81302
 (303) 247-4220

BLACKWOOD/NICHOLS
 P O BOX 1237
 DURANGO, CO 80302
 ATTN:

DATE 01/18/91
 CDS ID# 3077
 WELL: PUMP MESA
 SWD #1 *MORRISON*
 N36 31N8W
 DATE TAKEN: 11/29/90
 DATE REC'D: 11/30/90

CONSTITUENT	mg/L	meq/L
SODIUM Na+ **	5650	245.761
POTASSIUM K+	NA	0.000
CALCIUM Ca++ *	160	7.984
MAGNESIUM Mg++	NA	0.000
IRON TOTAL Fe++ & Fe+++	1.9	0.102
POSITIVE SUB-TOTAL	5811.900	253.847
CHLORIDE CL-	4470	126.082
CARBONATE CO3=	0	0.000
BICARBONATE HCO3-	866	14.193
HYDROXIDE OH-	0	0.000
SULFATE SO4=	5450	113.483
NEGATIVE SUB-TOTAL	10786.00	253.758
TOTAL DISSOLVED SOLIDS	15300 mg/L	
DENSITY	7.07 units	
SPECIFIC GRAVITY	1.014 @ 73 Deg. F	
CONDUCTIVITY	umho/cm	
RESISTIVITY	56.2 ohm-cm	
HARDNESS as CaCO3	397 mg/L	
TOTAL ALKALINITY AS CaCO3	710 mg/L	
ANALYST		

MORRISON PERFORATION 2
TOP - 2152'
BOTTOM - 2514'

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*Ca + Mg Calculated as Ca
 **Calculated
 NA - Not Analyzed

APPROVED BY: *Joe Bowden*
 DR. JOE BOWDEN, DIRECTOR

CHECKED BY: *SKS*

EXHIBIT H

OFF: (505) 325-5667
 FAX: (505) 327-1496



LAB: (505) 325-1556
 FAX: (505) 327-1496

ANALYTICAL REPORT

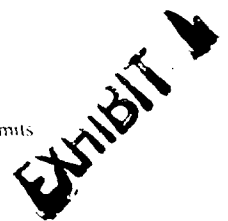
Date: 13-Jul-01

Client: XTO Energy	Client Sample Info: Sec. 25: NWSE T29N-R11W
Work Order: 0106041	Client Sample ID: Mike Sullivan
Lab ID: 0106041-02A Matrix: AQUEOUS	Collection Date: 6/22/2001
Project: Well Water Samples	COC Record: 11367

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY		E300				Analyst: HR
Chloride	300	6		mg/L	100	7/2/2001
Sulfate	2240	40		mg/L	500	7/2/2001
CALCIUM, DISSOLVED		E215.1				Analyst: HR
Calcium	380	50		mg/L	200	7/2/2001
IRON, DISSOLVED		E236.1				Analyst: HR
Iron	ND	0.1		mg/L	1	7/9/2001
POTASSIUM, DISSOLVED		E258.1				Analyst: HR
Potassium	3.6	0.25		mg/L	1	7/2/2001
MAGNESIUM, DISSOLVED		E242.1				Analyst: HR
Magnesium	62	5		mg/L	20	7/9/2001
SODIUM, DISSOLVED		E273.1				Analyst: HR
Sodium	860	100		mg/L	400	7/2/2001
ALKALINITY, TOTAL		M2320 B				Analyst: HR
Alkalinity, Bicarbonate (As CaCO3)	240	5		mg/L CaCO3	1	6/27/2001
Alkalinity, Carbonate (As CaCO3)	ND	5		mg/L CaCO3	1	6/27/2001
Alkalinity, Hydroxide	ND	5		mg/L CaCO3	1	6/27/2001
Alkalinity, Total (As CaCO3)	240	5		mg/L CaCO3	1	6/27/2001
HARDNESS, TOTAL		M2340 B				Analyst: HR
Hardness (As CaCO3)	1200	1		mg/L	1	7/11/2001
PH		E150.1				Analyst: HR
pH	7.59	2		pH units	1	6/26/2001
RESISTIVITY (@ 25 DEG. C)		M2510 C				Analyst: HR
Resistivity	1.838	0.001		ohm-m	1	6/27/2001
SPECIFIC GRAVITY		M2710 F				Analyst: HR
Specific Gravity	1.005	0.001			1	6/27/2001
TOTAL DISSOLVED SOLIDS		E160.1				Analyst: HR
Total Dissolved Solids (Residue, Filterable)	4470	40		mg/L	1	6/27/2001
TOTAL DISSOLVED SOLIDS		CALC				Analyst: HR
Total Dissolved Solids (Calculated)	3990	5		mg/L	1	7/11/2001

EXHIBIT I

Qualifiers:	PQL - Practical Quantitation Limit	S - Spike Recovery outside accepted recovery limits
	ND - Not Detected at Practical Quantitation Limit	R - RPD outside accepted recovery limits
	J - Analyte detected below Practical Quantitation Limit	E - Value above quantitation range
	B - Analyte detected in the associated Method Blank	Sur - Surrogate



OFF: (505) 325-5667
 FAX: (505) 327-1496



LAB: (505) 325-1556
 FAX: (505) 327-1496

ANALYTICAL REPORT

Date: 13-Jul-01

Client: XTO Energy	Client Sample Info: Sec. 25: NSW T29N-R11W
Work Order: 0106041	Client Sample ID: Bruce L. Sullivan
Lab ID: 0106041-01A Matrix: AQUEOUS	Collection Date: 6/22/2001
Project: Well Water Samples	COC Record: 11367

Parameter	Result	PQL	Qual	Units	DF	Date Analyzed
ANIONS BY ION CHROMATOGRAPHY		E300				Analyst: HR
Chloride	16	6		mg/L	100	7/2/2001
Sulfate	1130	20		mg/L	250	7/2/2001
CALCIUM, DISSOLVED		E215.1				Analyst: HR
Calcium	360	50		mg/L	200	7/2/2001
IRON, DISSOLVED		E236.1				Analyst: HR
Iron	ND	0.1		mg/L	1	7/9/2001
POTASSIUM, DISSOLVED		E258.1				Analyst: HR
Potassium	3.2	0.25		mg/L	1	7/2/2001
MAGNESIUM, DISSOLVED		E242.1				Analyst: HR
Magnesium	17	2.5		mg/L	10	7/9/2001
SODIUM, DISSOLVED		E273.1				Analyst: HR
Sodium	240	50		mg/L	200	7/2/2001
ALKALINITY, TOTAL		M2320 B				Analyst: HR
Alkalinity, Bicarbonate (As CaCO3)	320	5		mg/L CaCO3	1	6/27/2001
Alkalinity, Carbonate (As CaCO3)	ND	5		mg/L CaCO3	1	6/27/2001
Alkalinity, Hydroxide	ND	5		mg/L CaCO3	1	6/27/2001
Alkalinity, Total (As CaCO3)	320	5		mg/L CaCO3	1	6/27/2001
HARDNESS, TOTAL		M2340 B				Analyst: HR
Hardness (As CaCO3)	980	1		mg/L	1	7/11/2001
PH		E150.1				Analyst: HR
pH	7.29	2		pH units	1	6/26/2001
RESISTIVITY (@ 25 DEG. C)		M2510 C				Analyst: HR
Resistivity	3.968	0.001		ohm-m	1	6/27/2001
SPECIFIC GRAVITY		M2710 F				Analyst: HR
Specific Gravity	1.003	0.001			1	6/27/2001
TOTAL DISSOLVED SOLIDS		E160.1				Analyst: HR
Total Dissolved Solids (Residue, Filterable)	2170	40		mg/L	1	6/27/2001
TOTAL DISSOLVED SOLIDS		CALC				Analyst: HR
Total Dissolved Solids (Calculated)	1970	5		mg/L	1	7/11/2001

ENTRUSTED I

Qualifiers: PQL - Practical Quantitation Limit S - Spike Recovery outside accepted recovery limits
 ND - Not Detected at Practical Quantitation Limit R - RPD outside accepted recovery limits
 J - Analyte detected below Practical Quantitation Limit F - Value above quantitation range
 B - Analyte detected in the associated Method Blank Surr: - Surrogate

ENTRUSTED

AFFIDAVIT OF PUBLICATION

Ad No. 46615

**STATE OF NEW MEXICO
County of San Juan:**

CONNIE PRUITT, being duly sworn says:
That she is the Advertising Manager of THE DAILY TIMES, a daily newspaper of general circulation published in English at Farmington, said county and state, and that the hereto attached Legal Notice was published in a regular and entire issue of the said DAILY TIMES, a daily newspaper duly qualified for the purpose within the meeting of Chapter 167 of the 1937 Session Laws of the State of New Mexico for publication on the following day(s):
Wednesday, August 14, 2002.

And the cost of the publication is \$31.02.

Connie Pruitt

ON 8/15/02 CONNIE PRUITT appeared before me, whom I know personally to be the person who signed the above document.

Patricia C. B.
My Commission Expires April 2, 2004.

May 3 2003

COPY OF PUBLICATION

918 Legals
XTO Energy, Inc. is applying to amend its existing Ashcroft SWD #1 water disposal well. The Ashcroft SWD #1 is located at 998' FNL & 2114' FEL, Sec. 26, T. 29 N., R. 11 W., San Juan County, NM. The well was initially authorized by NM Oil Conservation Division Administrative Order SWD-812 for disposal of water produced from oil and gas wells into the Entrada. The amended well will also dispose into the Morrison Formation at a depth of 6,925' to 7,100' at a maximum rate of 2,500 barrels of water per day and at a maximum pressure of 2,100 psi. 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.

Legal No. 46615, published in The Daily Times, Farmington, New Mexico, Wednesday, August 14, 2002.



EXHIBIT J

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS
17 Arroyo Loop Santa Fe, New Mexico 87508 (505) 466-8120

September 20, 2002

LCS Company, Inc.
12607 Kingsride Lane
Houston, Tx. 77024-4006

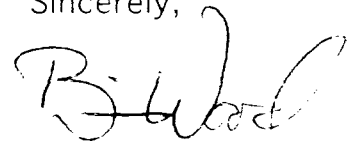
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San Juan County, NM on a fee lease
Approximate Location: ≈1 air mile southeast of Bloomfield, NM
Applicant Name: XTO Energy Inc. (505) 324-1090
Applicant's Address: 2700 Farmington Av., Bldg. K, Suite 1, Farm. NM 87401

Submittal Information: Application for a water disposal well will be filed with the NM Oil Conservation Division. If they determine the application complies with the applicable regulations, then it will be approved. 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

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS
37 Arlano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

September 20, 2002

Lela Cook Sparks Revocable Trust
P. O. Box 14933
Albuquerque, NM 87191-14933

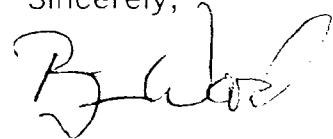
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Sincerely,



Brian Wood

September 20, 2002

Trustees of David McLane Trust
3000 Thanksgiving tower
601 Elm Street
Dallas, Tx. 75201-4761

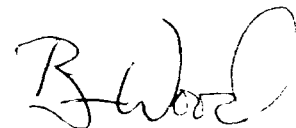
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Please call me if you have any questions.

Sincerely,



Brian Wood

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS
47 Arroyo Loop, Santa Fe, New Mexico 87308 (505) 466-8120

September 20, 2002

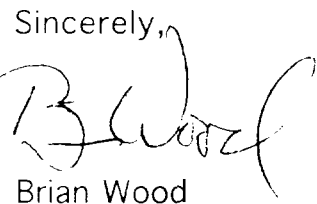
Manon McMullen
2200 Berkeley
Wichita Falls, Tx. 76308

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Sincerely,

Brian Wood

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS
57 Arroyo Loop, Santa Fe, New Mexico 87508 (505) 466-8120

September 20, 2002

Roderick A, Markham
1500 Broadway, Suite 1212
Lubbock, Tx. 79401

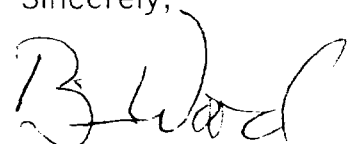
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Please call me if you have any questions.

Sincerely,


Brian Wood

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

September 20, 2002

Christmann Mineral Company
1500 Broadway, Suite 800
Lubbock, Tx. 79401

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Sincerely,


Brian Wood

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS
El Arriano Loop, Santa Fe, New Mexico 87508 (505) 466-8120

September 20, 2002

Herd Partners, Ltd.
P. O. Box 130
Midland, Tx. 79702

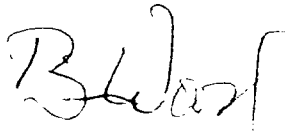
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Sincerely,


Brian Wood

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS
57 Arriano Loop Santa Fe New Mexico 87508 (505) 466-8120

September 20, 2002

McKay Oil & Gas Company, LLC
C. K. M. Development Co. Inc.
P. O. Box 14738
Albuquerque, NM 87191

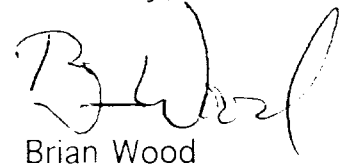
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Sincerely,


Brian Wood

PERMITS WEST, INC.
PROVIDING PERMITS for LAND USERS
37 Arzoo Loop Santa Fe, New Mexico 87508 (505) 466-8120

September 20, 2002

Van Goebel
Burlington Resources Oil and Gas Company
P. O. Box 4289
Farmington, NM 87499

Dear Van,

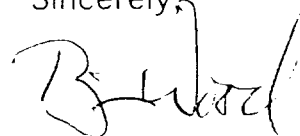
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Please call me if you have any questions.

Sincerely,



Brian Wood

12/20/02

AMEND SWD-812

NA

PKRVO235730626

Jones, William V

From: Darrin_Steed@xtoenergy.com
Sent: Friday, December 20, 2002 3:51 PM
To: wvjones@state.nm.us
Subject: Ashcroft SWD #1

Per my phone conversation with Mr. Steve Hayden with the NMOCD District office in Aztec we have been informed that the formation name of Morrison on Order SWD-812-A needs to be changed to Bluff. This notice is to serve as a record for your files to identify the change and reason why.

Darrin
Regulatory Supervisor
XTO Energy Inc.