

HINKLE, HENSLEY, SHANOR & MARTIN, L.L.P.

ATTORNEYS AT LAW 218 MONTEZUMA SANTA FE, NEW MEXICO 87501 505-982-4554 (FAX) 505-982-8623

WRITER: Gary W. Larson, Partner glarson@hinklelawfirm.com

January 5, 2010

HAND DELIVERY

Florene Davidson Oil Conservation Division 1220 S. St. Francis Drive Santa Fe, NM 87505

Re:

Cano Petro of New Mexico, Inc.

14425

Dear Florene:

On behalf of Cano Petro of New Mexico, Inc. ("Cano"), I am enclosing the original and one copy of Cano's application to increase injection pressure in its Cato San Andres Unit waterflood. As we've previously discussed, I request that the application be set for hearing on the February 4, 2010 docket.

Thank you for your assistance.

Very truly yours,

GWL:js Enclosures STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, New Mexico 87505 Case 14425
Revised J

FORM C-108 Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

•	PURPOSE: X Secondary Recovery Pressure Maintenance Disposal Storage Application qualifies for administrative approval? Yes X No
1.	OPERATOR: Cano Petro of New Mexico, Inc.
	ADDRESS: 801 Cherry St Unit 25, Ste. 3200; Fort Worth, TX 76102
	CONTACT PARTY: Alex Azizi PHONE: (817)698-0900
111.	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. Previously submitted - Case No. 14128
IV.	Is this an expansion of an existing project? Yes X No If yes, give the Division order number authorizing the project: $R-9029-A$
V.	This is a request for increased injection pressure. See attached discussion 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.	Map submitted in Case No. 14128 is attached. 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. Previously submitted - Case No. 14128
VII.	Attach data on the proposed operation, including:
	 Proposed average and maximum daily rate and volume of fluids to be injected; no change requested Whether the system is open or closed; no change requested Proposed average and maximum injection pressure; see attached table Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, no change requested 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.). not applicable
*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. Previously submitted - Case No. 14128
IX.	Describe the proposed stimulation program, if any. Previously submitted - Case No. 14128
*X.	Attach appropriate logging and test data on the well. (If well logs have been filed with the Division, they need not be resubmitted). Previously submitted - Case No. 14128
*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. Previously submitted - Case No. 14128
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. Not applicable
XIII.	Applicants must complete the "Proof of Notice" section on the reverse side of this form. attached
	Certification: I hereby certify that the information submitted with this application is true and correct to the best of my knowledge and belief.
	NAME: Keith B. Masters, P.E. TITLE: Consultant
	SIGNATURE: DATE: 01/04/10
	E-MAIL ADDRESS: <u>k b masters@mastersconsultingllc.com</u> 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: <u>Case No. 14128</u>

ATTACHMENT TO FORM C-108

Cano Petro of New Mexico, Inc. Cato San Andres Unit

Item IV – Discussion

Cano Petro of New Mexico, Inc. ("Cano") hereby requests an increase in the authorized surface injection pressure for certain wells within the Cato San Andres Unit, Chaves County, New Mexico.

NMOCD Order No. R-9029-A, dated September 3, 2008, granted Cano authority to expand the Cato San Andres Unit Waterflood Project. Forty-three injection wells were permitted, and the maximum surface injection pressure was set at 650 psi. Injection was commenced on September 17, 2008. The current total injection rate is approximately 12,000 BWPD.

Administrative Order IPI-315, dated March 4, 2009 granted Cano authority to inject at surface pressures exceeding 650 psi into five injection wells. Administrative Order IPI-319, dated April 8, 2009 granted Cano authority to inject at surface pressures exceeding 650 psi into six additional injection wells. This authority was granted based on the results of step-rate tests. The authorized injection pressures in these eleven wells range from 850 psi to 1,615 psi, and are listed on the enclosed chart entitled "Maximum Approved Surface Injection Pressures and Pressure Gradients". The location of each of these wells is indicated on the enclosed map of the project area.

An Administrative Application (IPI) requesting authority to inject at surface pressures exceeding 650 psi into two additional injection wells was filed with the NMOCD on November 30, 2009. Included as supporting data were the results of step rate tests run in these wells. Subsequent to the filing of this application, additional step rate tests were run in three injection wells that were, in part, subject of previous IPI applications. On December 16, 2009, Cano was notified by the NMOCD that the IPI Application filed on November 30, 2009 could not be approved administratively, and that the matter would have to be set for hearing.

Submitted herewith are reports submitted by the service company conducting the five step rate tests run in late 2009, and a wellbore diagram for each well tested. These tests were run utilizing surface-only pressure transducers. Correlations developed from the results of previously submitted step rate tests were utilized to calculate friction pressures as a function of injection rate, which facilitated the calculation of bottom-hole pressure from the surface pressure data.

The enclosed documents entitled "Step Rate Test Analysis" summarize the recorded test results and the calculated bottom-hole pressures on a well by well basis. Plots subtitled "Bottom-Hole Pressure vs. Injection Rate" graphically depict the relevant data and the interpreted parting pressures.

The interpreted parting pressures in the two wells not previously tested support a maximum surface injection pressure significantly higher than the current 650 psi limit. Based on the results of these tests, Cano requests authority to inject at surface pressures exceeding 650 psi in these two wells.

The interpreted parting pressures in the three wells that were previously tested are significantly higher than previously documented. This is due to the fact that these wells originally exhibited abnormally low bottom-hole pressures. Based on the results of these tests, Cano requests authority to inject at surface pressures exceeding the currently authorized injection pressures in these three wells.

Based on the results of the sixteen step-rate tests run to date, Cano further requests authority to inject at surface pressures exceeding 650 psi in twenty-five additional wells within the approved project area. The existing data support maximum surface injection pressures based on the minimum observed current surface parting pressure gradient of 0.400 psi/ft.

The attached table entitled "Current & Proposed Maximum Injection Pressures" summarizes the requested pressure limitation on a well by well basis. Cano now intends to drill replacement wells for several of the permitted injectors. The injectors to be replaced are not included in this table. Authority to inject into the replacement wells will be requested by separate application.

MAXIMUM APPROVED SURFACE INJECTION PRESSURES AND SURFACE GRADIENTS

CANO PETRO OF NEW MEXICO, INC.
CATO SAN ANDRES UNIT

	Maximum		Maximum	
	Approved		Approved	
	Surface	Depth	Surface	
	Injection	to Top	Pressure	
	Pressure	Perforation	Gradient	
Well No.	(psig)	(ft)	(psig/ft)	
	Wells with	2:1/16", tubing? **		
19	1,615	3,308	0.488	
20	1,540	3,342	0.461	
23	1,220	3,472	0.351	(1)
48	1,530	3,380	0.453	
49	1,010	3,414	0.296	(2)
	🚁 🦢 Wells with	2=3/8"/tubing		
16	1,570	3,238	0.485	
21	1,365	3,383	0.403	
50	850	3,496	0.243	(3)
94	1,450	3,292	0.440	
533	1,380	3,440	0.401	
822	1,370	3,424	0.400	

- (1) Current step rate test indicates that parting pressure occurs at a surface pressure gradient of 0.404 psi/ft.
- (2) Current step rate test indicates that parting pressure occurs at a surface pressure gradient of 0.412 psi/ft.
- (3) Current step rate test indicates that parting pressure occurs at a surface pressure gradient of 0.457 psi/ft.

CANO PETROLEUM

CSAU #23 CHAVEZ COUNTY, NEW MEXICO

TEST DATE 12/15/2009

STEP RATE TEST

Ran step rate test with surface pressure transducer.

STEP RATE TEST

CANO PETROLEUM CSAU #23 TEST DATE 12/15/2009

Injection Rate	Psurface	в.н.Р.	Psurface W/O
(BWPD)	(psig)	(psia)	FRICTION
9	1123,40	······································	
200	1295.50		**************************************
400	1435.00	······································	
600	1509.30	······································	
800	1685.50	······································	
1000	1812,10	······································	**************************************
1200	1983.70	······································	
1400	2118.60		
1600	2278.10	······································	
		······································	
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Run Depth; Surface

Perforations:

Formation: San Andres

Total Depth:

Tubing Depth: N/A

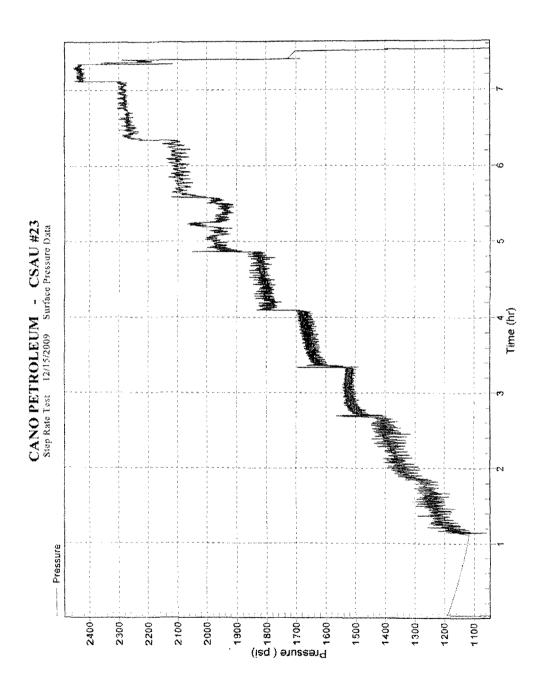
Pkr. Depth: N/A

Tested By: J. Chesshir

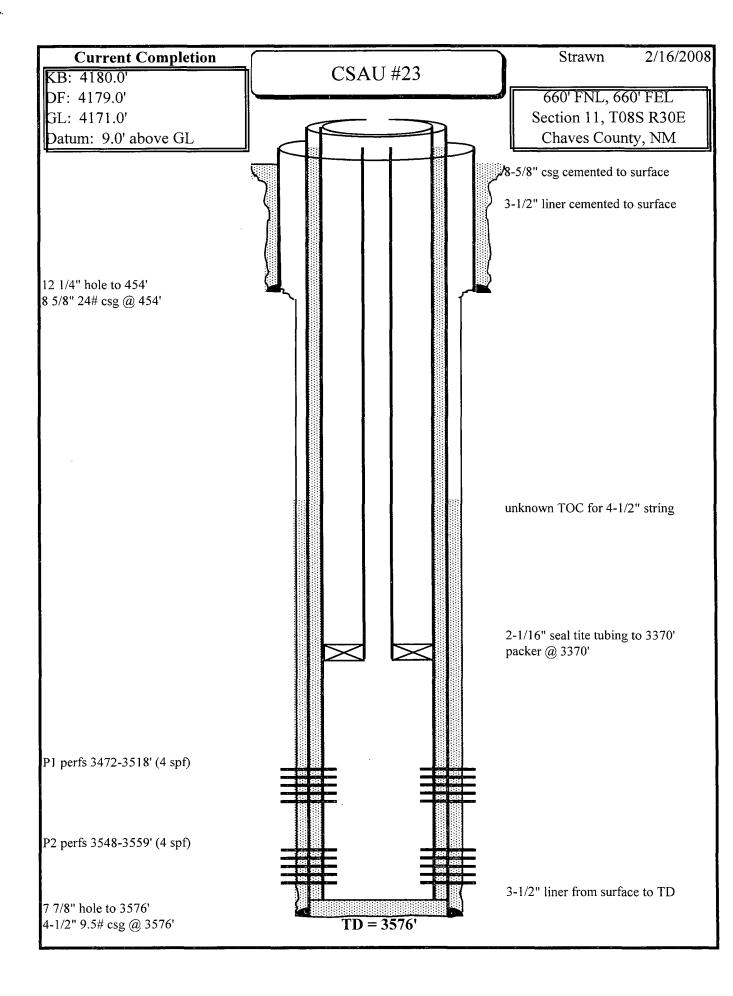
Instrument #:

TEST RESULTS

Test is Inconclusive



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CANO PETROLEUM

CSAU #49 CHAVEZ COUNTY, NEW MEXICO

TEST DATE 12/17/2009

STEP RATE TEST

Ran step rate test with surface pressure transducer.

STEP RATE TEST

CANO PETROLEUM CSAU #49 TEST DATE 12/17/2009

Injection Rate	Psurface	B.H.P.	Psurface W/Q
(BWPD)	(psig)	(psia)	FRICTION
400	812.50		
600	1130.50		
800	1300.90	······································	
1000	1539,40		
1200	1737.40	······································	
1400	1953.20		
1600	2181,40		
1800	2420.70		
		·	
		######################################	

Run Cepth: Surface Perforations:

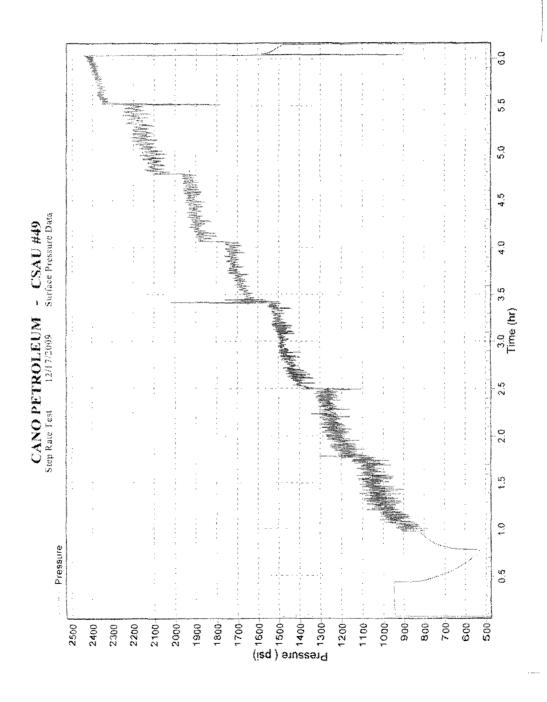
Formation, San Andres Total Depth

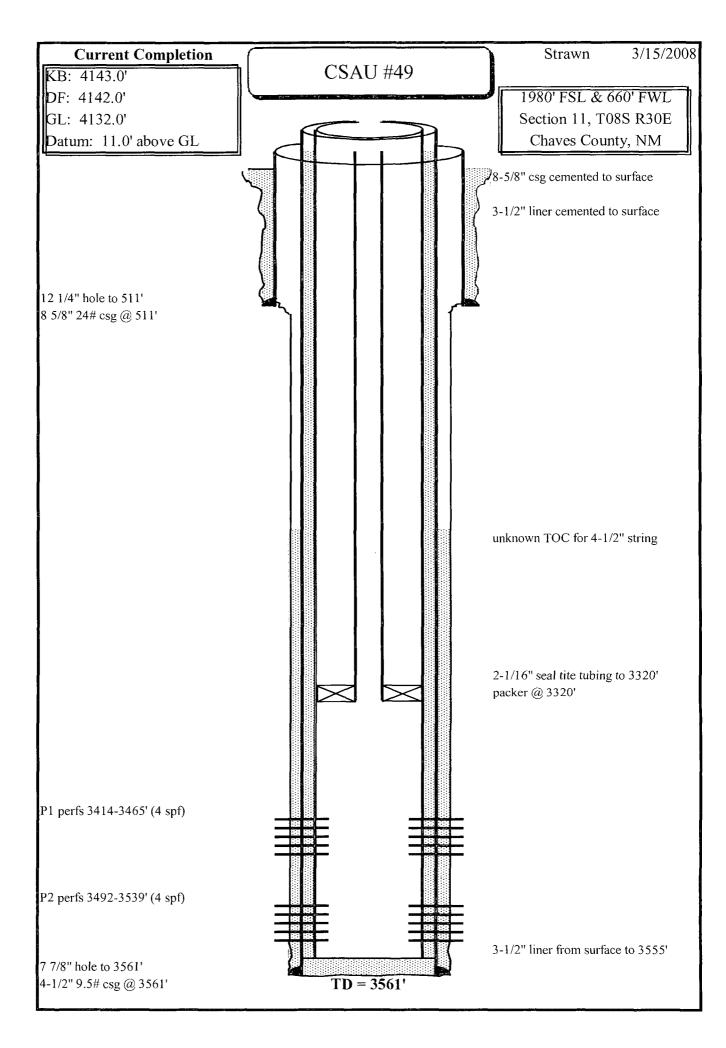
Tubing Depth; N/A Pkr. Depth: N/A

Tasted By: J. Chesshir Instrument #:

TEST RESULTS

Well was injecting at 490 bpd at the start so I started the test there. Pumped 2 loads of water and was exceeding pressure limits (2000) of valves & hoses.





CANO PETROLEUM

CSAU #50 CHAVEZ COUNTY, NEW MEXICO

TEST DATE 12/16/2009

STEP RATE TEST

Ran step rate test with surface pressure transducer.

PRECISION PRESSURE DATA, INC., V.P. C. 6574 / M.C.LANO, TEXAG PSYDERGET + (4002) SYD-78000

STEP RATE TEST

CANO PETROLEUM CSAU #50 TEST DATE 12/16/2009

Injection Rate	Psurface	B.H.P.	Psurface W/O
(BWPD)	(psig)	(psia)	FRICTION
0	245/50 😭	······································	245.50
200	447.70	······································	388.10
400	608:60	######################################	602.60
600	725.90	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	711.90
800	971.60	······································	947.60
1000	1166.30	······································	1130,30
1200	1376.30	***************************************	1324.30
1400	1481.20	. 	1412.20
1600	1684:10	, ,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	1596.10
1800	1782.80	**************************************	1853.80
2000	1899.60	w. 1.1	1768,60
2200	1971.50		1811,60

Run Depth: Surface

Perforations:

Formation: San Andres

Total Depth:

Tubing Depth: N/A

Pkr. Depth: N/A

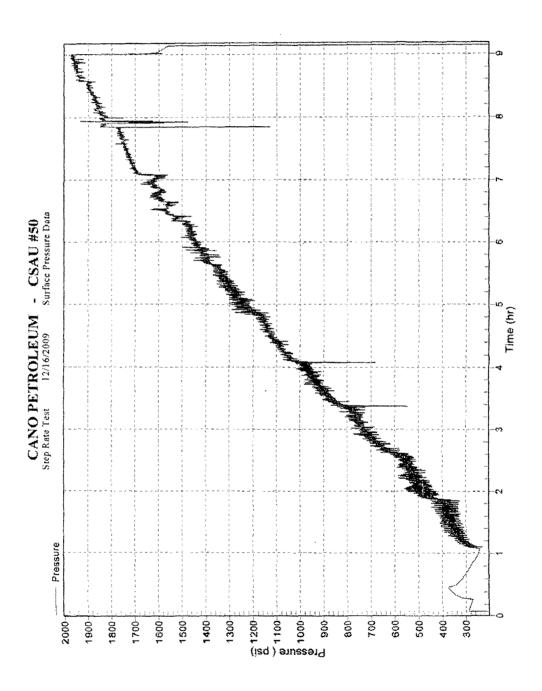
Tested By. J. Chesshir

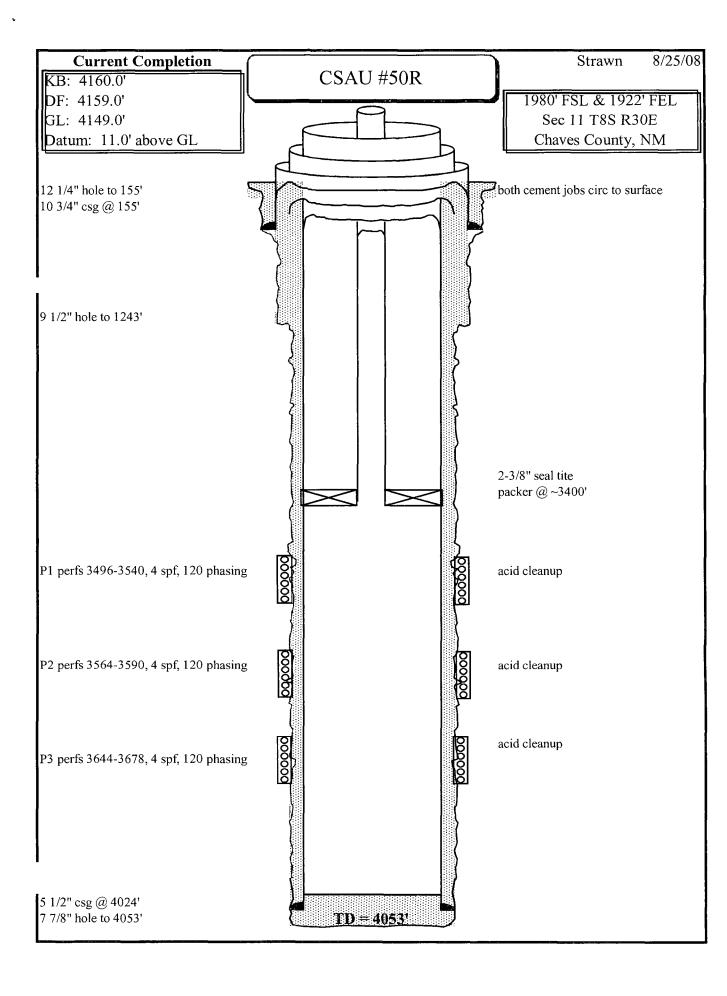
Instrument#:

TEST RESULTS

Parting Pressure @ 1375 8HP (psia) @ 1200 8WPO

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CANO PETROLEUM

CSAU #57
CHAVEZ COUNTY, NEW MEXICO

TEST DATE 10/13/2009

STEP RATE TEST

Ran step rate test with surface pressure transducer.

Step Rate Test

CANO PETROLEUM CSAU #57 TEST DATE 10/13/2009

Injection Rate	Psurface	B.H.P.	Psurface W/O
(BWPD)	(psig)	(psia)	FRICTION
0	1253.40		
200	1512,40		
375	1590.00		
550	1633.70		
725	1781.80		
900	1890.60		
1075	2038,20		
1250	2192.60		
1425	2449.50		
1775	2902.40		
		7	

Run Depth: Surface Perforations: 3395-3489

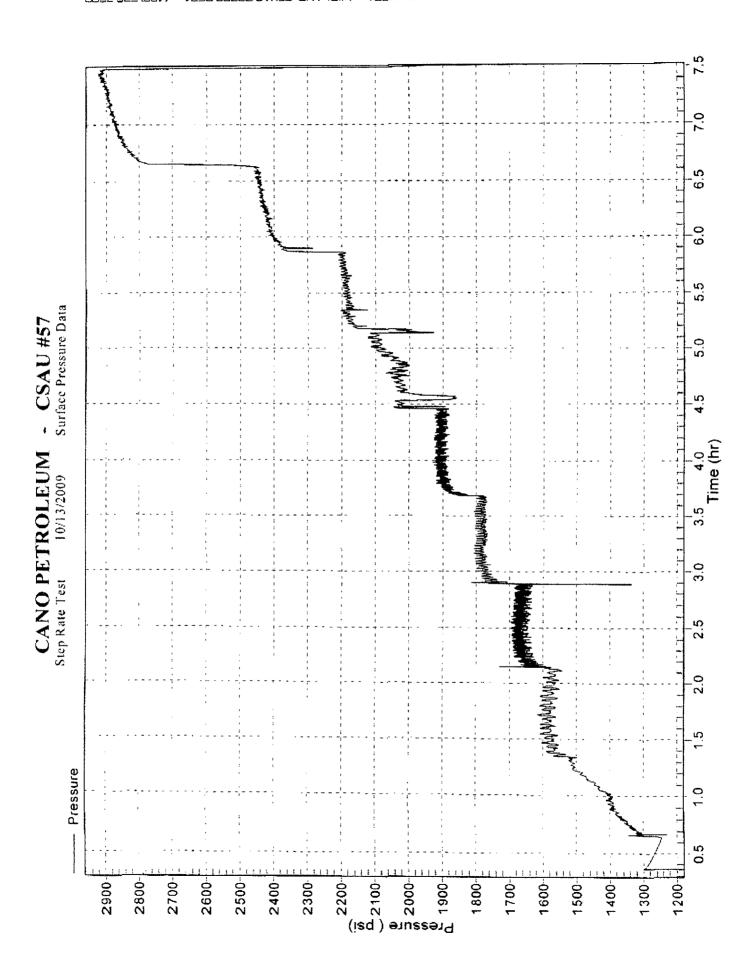
Formation: San Andres Total Depth: 3668

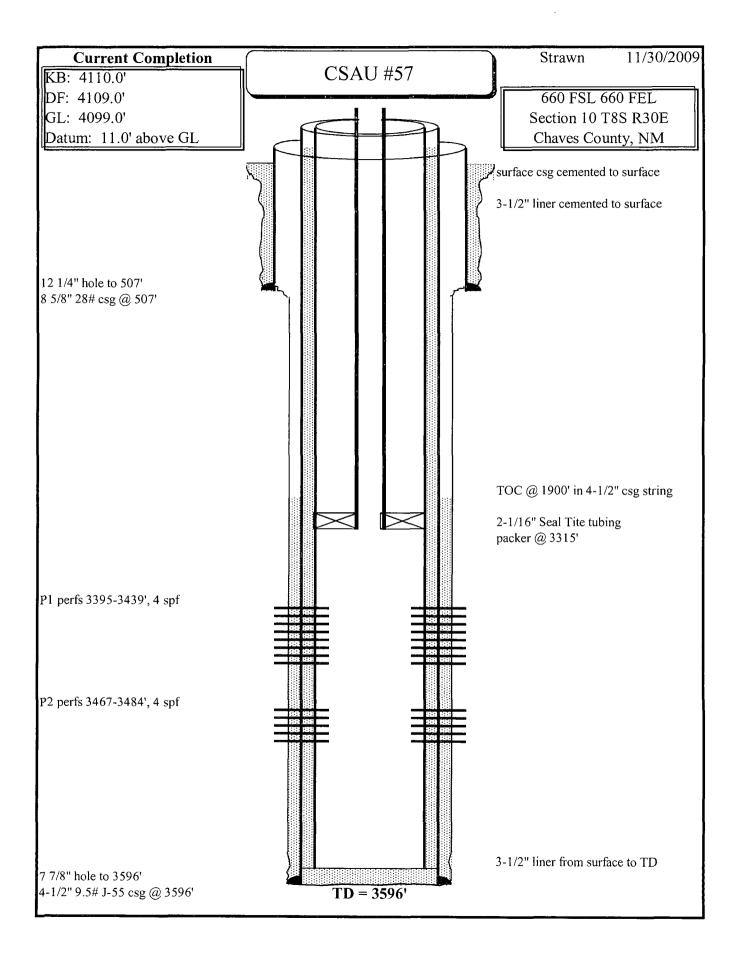
Tubing Depth: N/A Pkr. Depth: N/A

Tested By: J. Chesshir Instrument #:

TEST RESULTS

Test is Inconclusive - Out of Water Exceeding pressure limits of hoses





CANO PETROLEUM

CSAU #854 CHAVEZ COUNTY, NEW MEXICO

TEST DATE 10/15/2009

STEP RATE TEST

Ran step rate test with surface pressure transducer.

STEP RATE TEST

CANO PETROLEUM CSAU #854 TEST DATE 10/15/2009

Injection Rate	Psurface	8.H.P.	Psurface W/O
(BWPD)	(psig)	(psia)	FRICTION
Q	476,00		
200	509.50		3/400
375	574.30		
550	671.10		
725	830.30		
900	986,80		
1075	1189,40	17000000	
1250	1430.10	3000	7.53
1425	1495,90		
1775	1690.00		
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	200000	***************************************	
No			
		77,798	
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		7.77	
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Run Depth: Surface

Perforations:

Formation: San Andres

Total Depth:

Tubing Depth: N/A

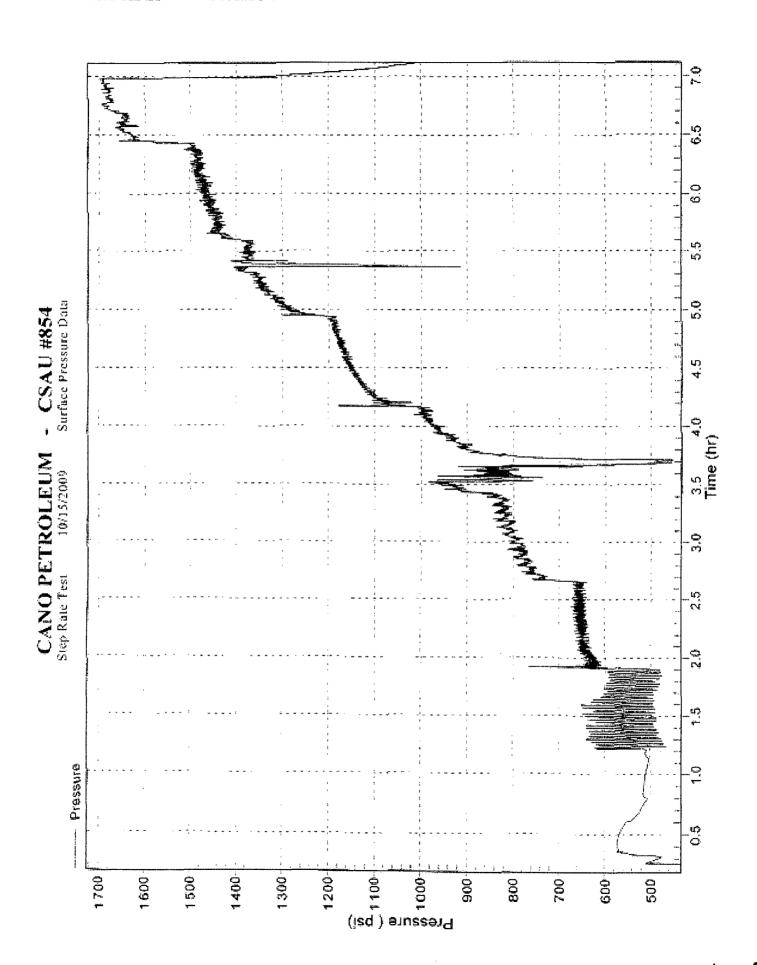
Pkr. Depth: N/A

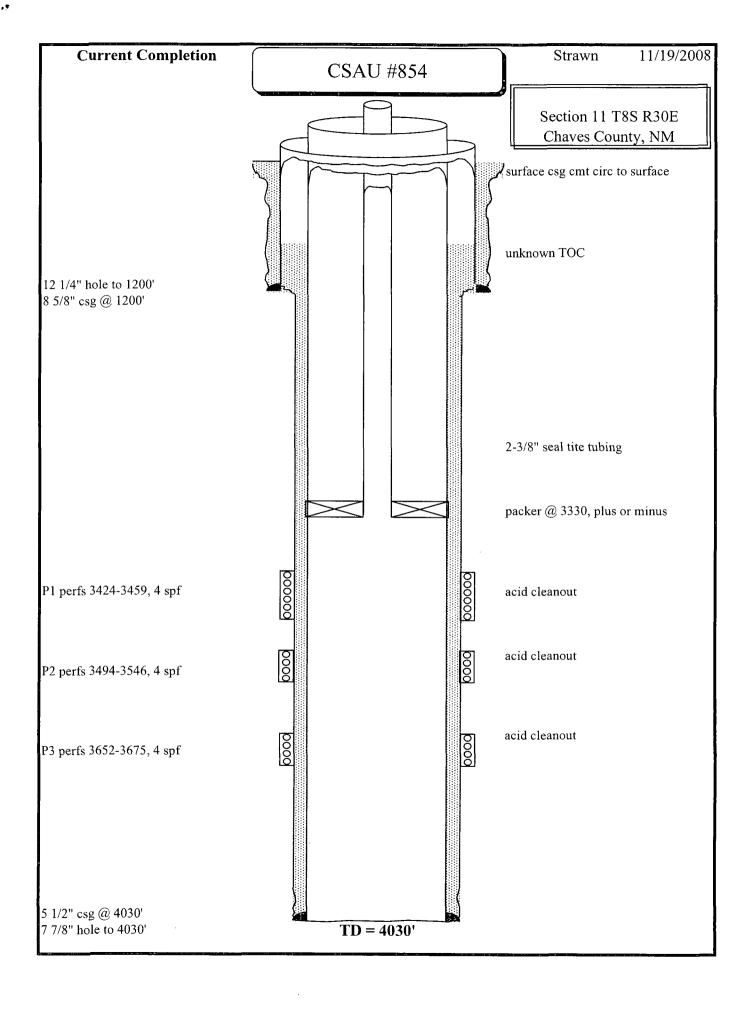
Tested By: J. Chesshir

Instrument#:

TEST RESULTS

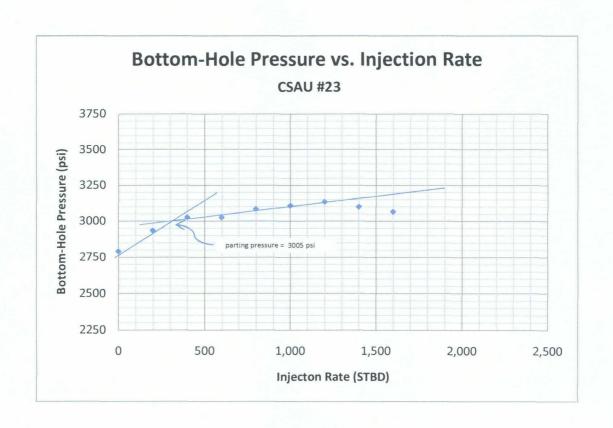
Parting Pressure @ 1380 (psig) @ 1215 BWPD





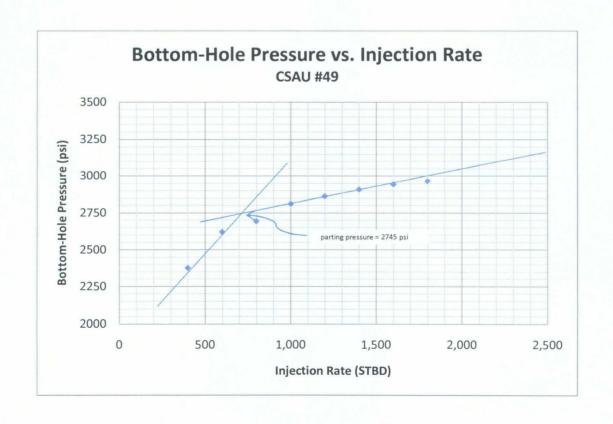
STEP RATE TEST ANALYSIS CSAU #23

INJECTION RATE (STBD)	SURFACE PRESSURE (psi)	HYDROSTATIC HEAD (psi)	FRICTION PRESSURE (psi)	BOTTOM-HOLE PRESSURE (psi)
0	1,123.4	1,666.6	0.0	2,790.0
200	1,295.5	1,666.6	25.8	2,936.3
400	1,436.0	1,666.6	75.5	3,027.0
600	1,509.3	1,666.6	149.3	3,026.6
800	1,665.5	1,666.6	247.0	3,085.0
1,000	1,812.1	1,666.6	368.8	3,109.9
1,200	1,983.7	1,666.6	514.6	3,135.7
1,400	2,118.6	1,666.6	684.3	3,100.8
1,600	2,278.1	1,666.6	878.1	3,066.6



STEP RATE TEST ANALYSIS CSAU #49

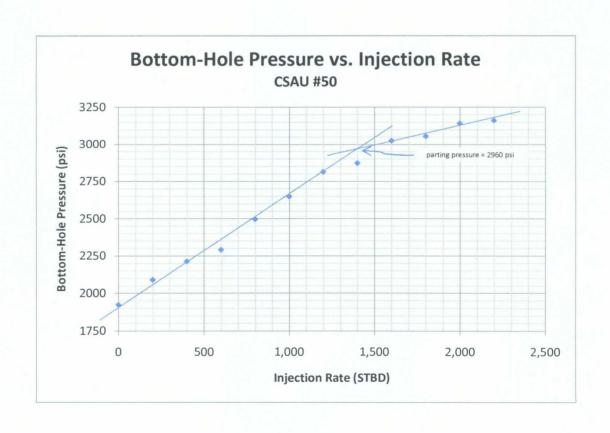
INJECTION RATE (STBD)	SURFACE PRESSURE (psi)	HYDROSTATIC HEAD (psi)	FRICTION PRESSURE (psi)	BOTTOM-HOLE PRESSURE (psi)
400	812.6	1,638.7	75.5	2,375.8
600	1,130.5	1,638.7	149.3	2,619.9
800	1,300.9	1,638.7	247.0	2,692.6
1,000	1,539.4	1,638.7	368.8	2,809.3
1,200	1,737.4	1,638.7	514.6	2,861.6
1,400	1,953.2	1,638.7	684.3	2,907.6
1,600	2,181.4	1,638.7	878.1	2,942.0
1,800	2,420.7	1,638.7	1,095.8	2,963.6



STEP RATE TEST ANALYSIS

CSAU #50

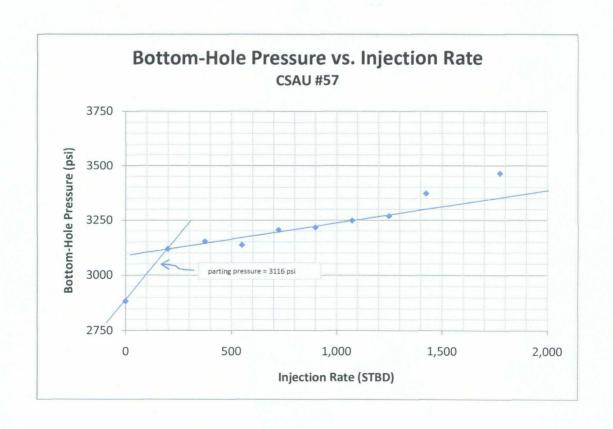
INJECTION RATE (STBD)	SURFACE PRESSURE (psi)	HYDROSTATIC HEAD (psi)	FRICTION PRESSURE (psi)	BOTTOM-HOLE PRESSURE (psi)
0	245.5	1,678.1	0.0	1,923.6
200	447.7	1,678.1	36.4	2,089.4
400	608.6	1,678.1	74.4	2,212.3
600	725.9	1,678.1	114.0	2,290.0
800	971.6	1,678.1	155.2	2,494.5
1,000	1,166.3	1,678.1	198.0	2,646.4
1,200	1,376.3	1,678.1	242.4	2,812.0
1,400	1,481.2	1,678.1	288.4	2,870.9
1,600	1,684.1	1,678.1	336.0	3,026.2
1,800	1,762.8	1,678.1	385.2	3,055.7
2,000	1,899.6	1,678.1	436.0	3,141.7
2,200	1,971.5	1,678.1	488.4	3,161.2



STEP RATE TEST ANALYSIS

CSAU #57

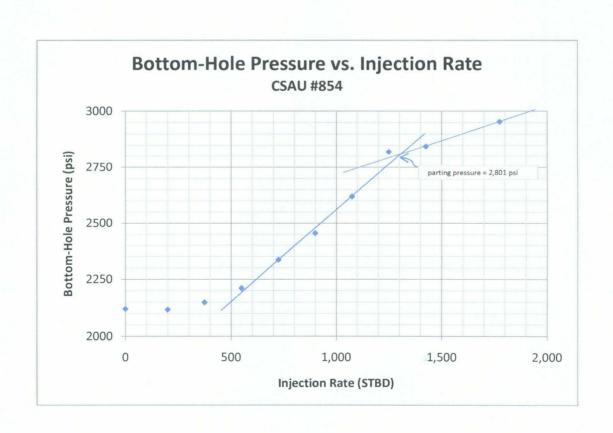
INJECTION RATE (STBD)	SURFACE PRESSURE (psi)	HYDROSTATIC HEAD (psi)	FRICTION PRESSURE (psi)	BOTTOM-HOLE PRESSURE (psi)
0	1,253.4	1,629.6	0.0	2,883.0
200	1,512.4	1,629.6	25.8	3,116.2
375	1,590.0	1,629.6	68.0	3,151.6
550	1,633.7	1,629.6	128.6	3,134.7
725	1,781.8	1,629.6	207.6	3,203.8
900	1,890.6	1,629.6	304.9	3,215.3
1,075	2,038.2	1,629.6	420.6	3,247.2
1,250	2,192.6	1,629.6	554.8	3,267.5
1,425	2,449.5	1,629.6	707.2	3,371.9
1,775	2,902.4	1,629.6	1,067.3	3,464.7



STEP RATE TEST ANALYSIS

CSAU #854

INJECTION RATE (STBD)	SURFACE PRESSURE (psi)	HYDROSTATIC HEAD (psi)	FRICTION PRESSURE (psi)	BOTTOM-HOLE PRESSURE (psi)
0	476.0	1,643.5	0.0	2,119.5
200	509.5	1,643.5	36.4	2,116.6
375	574.3	1,643.5	69.6	2,148.3
550	671.1	1,643.5	104.0	2,210.7
725	830.3	1,643.5	139.6	2,334.3
900	986.8	1,643.5	176.4	2,453.9
1,075	1,189.4	1,643.5	214.5	2,618.5
1,250	1,430.1	1,643.5	253.8	2,819.9
1,425	1,495.9	1,643.5	294.3	2,845.2
1,775	1,690.0	1,643.5	379.0	2,954.6



CURRENT & PROPOSED MAXIMUM SURFACE INJECTION PRESSURES CANO PETRO OF NEW MEXICO, INC. CATO SAN ANDRES UNIT

Proposed Maximum Surface Injection Pressure (psig)	1,295	1,285	1,350	1,345	1,290	1,285	1,355	1,545	1,355	1,315	1,460	1,315	1,365	1,365	1,350	1,370	1,325	1,320	1,310	1,320	1,340	1,360
Surface Parting Pressure (psig)	1,348	1,338	1,402	1,395	1,344	1,338	1,408	1,598	1,406	1,365	1,512	1,366	1,418	1,415	1,404	1,421	1,378	1,370	1,360	1,370	1,391	1,412
ions Bottom (ft)	3,507	3,462	3,576	3,598	3,550	3,444	3,539	3,678	3,628	3,586	3,484	3,450	3,614	3,572	3,624	3,601	3,490	3,544	3,583	3,515	3,518	3,571
Perforations Top Bo (ft)	3,371	3,345	3,472	3,488	3,360	3,344	3,414	3,496	3,514	3,413	3,395	3,414	3,544	3,538	3,511	3,553	3,444	3,426	3,400	3,425	3,477	3,531
Current Maximum Surface Injection Pressure (psig)	650	650	1,220	650	650	029	1,010	850	650	650	650	650	650	650	650	029	029	029	029	029	029	029
Calls	1980 FWL	960 FWL	134 099	990 FEL	960 FWL	660 FEL	660 FWL	1922 FEL	700 FEL	960 FWL	960 FEL	990 FEL	330 FWL	990 FWL	990 FEL	1980 FEL	1980 FWL	960 FWL	990 FEL	960 FEL	1980 FWL	1980 FEL
SN	660 FSL	660 FSL	999 ENL	1650 FNL	1980 FNL	1980 FNL	1980 FSL	1980 FSL	1980 FSL	999 FSL	990 FSL	999 ENL	330 FNL	1980 FNL	1980 FNL	1980 FNL	1980 FNL	1980 FNL	1980 FNL	1980 FSL	1980 FSL	960 FSL
Unit	Z	Σ	A	н	ш	I	٦	٦	_	Σ	Д	A	Q	В	I	U	ш	ш	I	-	×	0
Section	2	2	11	11	11	10	11	11	11	11	10	15	13	13	14	14	14	14	15	15	14	14
Range	30E																					
Township	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88	88
API No.	33-005-20001	33-005-10536	33-005-10523	33-005-20294	33-005-10503	33-005-10473	33-005-10455	33-005-29021	33-005-10539	33-005-10579	33-005-10502	33-005-10532	33-005-10525	33-005-20144	33-005-20174	33-005-10588	33-005-20109	33-005-10561	33-005-20090	33-005-20068	33-005-20115	33-005-20081
Well No.	9	7	23	25	28	29	49	50	51	99	57	77	82	83	84	82	98	87	88	109	111	115

CURRENT & PROPOSED MAXIMUM SURFACE INJECTION PRESSURES CANO PETRO OF NEW MEXICO, INC. CATO SAN ANDRES UNIT

							SIE	Current Maximum Surface Injection Pressure	Perforations Ton Bo	ations	Surface Parting	Proposed Maximum Surface Injection Pressure
Well No.	API No.	Township	Range	Section	Unit	NS	EW	(bisd)	(ft)	(ft)	(bisd)	(psig)
118	33-005-20077	88	30E	15	А	154 099	194 099	029	3,472	3,564	1,389	1,335
507	33-005-28022	88	30E	2	0	710 FSL	1980 FEL	029	3,442	3,598	1,377	1,325
824	33-005-28032	88	30E	12	ш	2019 FNL	529 FWL	029	3,300	3,950	1,320	1,270
826	33-005-29029	88	30E	11	ŋ	1982 FNL	1954 FEL	029	3,456	3,642	1,382	1,330
827	33-005-29030	88	30E	11	ш	1980 FNL	2037 FWL	029	3,300	3,950	1,320	1,270
854	33-005-29031	88	30E	11	0	960 FSL	1924 FEL	650	3,486	3,675	1,408	1,355
878	33-005-29032	88	30E	14	Q	658 FNL	659 FWL	029	3,300	3,950	1,320	1,270
879	33-005-28035	88	30E	14	O	685 FNL	1943 FWL	650	3,300	3,950	1,320	1,270

based on current step-rate test

well not yet converted

well not yet drilled

ATTACHMENT TO FORM C-108

Cano Petro of New Mexico, Inc. Cato San Andres Unit

Item XIII - Proof of Notice

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On January 5, 2010, Cano Petro of New Mexico sent written notice of the application to increase injection pressure and a copy of the Form C-108 to the following interest owners:

Mr. David Glass Division of Lands & Minerals Bureau of Land Management 2909 West Second Street Roswell, NM 88201-1287

Mathis Land & Cattle Company P.O. Box 45 Kenna, NM 88122

Preston Berry 10212 Daria Drive Dallas, TX

Jay Appleton 2809 West 11th Street Sedalia, MO 65301-2211

Roswell Gun Club P.O. Box 1482 Roswell, NM 88202

Ganada, Inc. P.O. Box 9 Sudan, TX 79371

Robert W. Hodge Northstar Operating Company 400 W. Illinois Avenue, Ste. 1110 Midland, TX 79701-4310

Mr. Edward Judson, ux Marilyn M. c/o Judson Investment Corp. P.O. Box 10010
Midland, TX 79702

Sole Trustee of the Selma Andrews Trust for the Benefit of Peggy Barrett Bank of America, N.A. P.O. Box 75283 Dallas, TX 75283 Selma Andrews Perpetual Charitable Trust Bank of America, N.A. P.O. Box 830308 Dallas, TX 75238

Laura Boeckman 9115 Clearlake Dr. Dallas, TX 75225

Mobile Producing Texas & New Mexico, Inc. P.O. Box 4697 Houston, TX 77210

Mr. R. Ken Williams, ux Jane P.O. Box 10626 Midland, TX 79702

Good Earth Minerals, LLC 849 Broken Arrow Roswell, NM 88201

Judson Properties, Ltd. P.O. Box 3340 Midland, TX 79702-3340

Matlock Minerals Ltd. Co. 11101 Bermuda Dunes Drive, NE Albuquerque, NM 87111-7504

Mr. William H. Martin, ux Karen V. c/o Sigmar Inc. 400 N. Marienfeld, Ste. 100 Midland, TX 79701

Sigmar Inc. 400 N. Marienfeld, Ste. 100 Midland, TX 79701

Mr. John Schlagal, ux Helen B. 5700 S. County Road, Ste. 1200 Midland, TX 79706

McQuiddy Communications & Energy, Inc. P.O. Box 2072 Roswell, NM 88202 Occidental Permian Ltd. c/o OXY USA, Inc., GP 580 Westlake Park Blvd. Houston, TX 77079

Kelt Ohio, Inc. 5784 Glenn Highway Cambridge, OH 43725

LAJ Corporation P.O. Box 10626 Midland, TX 79701-0626