]				
DATE IN	SUSPENSE	ENGINEER	LOGGED IN	TYPE	APP NO.

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

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



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] ISWD-Salt Water Disposal] [IPI-Injection Pressure Increase] [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response] $\lceil 1 \rceil$ 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] Commingling - Storage - Measurement ☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM Injection - Disposal - Pressure Increase - Enhanced Oil Recovery [C]WFX PMX SWD IPI EOR PPR [D]Other: Specify ___ NOTIFICATION REQUIRED TO: - Check Those Which Apply, or Does Not Apply [2] Working, Royalty or Overriding Royalty Interest Owners [A] Offset Operators, Leaseholders or Surface Owner [B] Application is One Which Requires Published Legal Notice [C] [D] Notification and/or Concurrent Approval by BLM or SLO U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office For all of the above, Proof of Notification or Publication is Attached, and/or, [E] [F] Waivers are Attached

- SUBMIT ACCURATE AND COMPLETE INFORMATION REQUIRED TO PROCESS THE TYPE [3] OF APPLICATION INDICATED ABOVE.
- **CERTIFICATION:** I hereby certify that the information submitted with this application for administrative [4] 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.

Case No. 14187 Merit Energy Exhibit #3

STATE OF NEW MEXICO ENERGY, MINERALS AND NATURAL RESOURCES DEPARTMENT

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

FORM C-108 Revised June 10, 2003

APPLICATION FOR AUTHORIZATION TO INJECT

I.	PURPOSE: Secondary Recovery Pressure Maintenance Disposal Storage Application qualifies for administrative approval? Yes No
II.	OPERATOR: Mexit Energy Company
	ADDRESS: 13727 NOET Rd. Ste 500 Dalkas, TX 75240
	CONTACT PARTY: SUSTIN FINALLY PHONE: 972-628-1
Ш.	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? YesNo If yes, give the Division order number authorizing the project:No
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:
	 Proposed average and maximum daily rate and volume of fluids to be injected; Whether the system is open or closed; Proposed average and maximum injection pressure; Sources and an appropriate analysis of injection fluid and compatibility with the receiving formation if other than reinjected produced water; and, 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: Kristin Hodge TITLE: Kegulatery Amyst
	NAME: Kristin Hodge TITLE: Regulatery Analyst SIGNATURE: Kristin Hodge Date:
	E-MAIL ADDRESS: If the information required under Sections VI, VIII, X, and XI above has been previously submitted, it need not be resubmitted. Please show the date and circumstances of the earlier submittal:

III. WELL DATA

- A. The following well data must be submitted for each injection well covered by this application. The data must be both in tabular and schematic form and shall include:
 - (1) Lease name; Well No.; Location by Section, Township and Range; and footage location within the section.
 - (2) Each casing string used with its size, setting depth, sacks of cement used, hole size, top of cement, and how such top was determined.
 - (3) A description of the tubing to be used including its size, lining material, and setting depth.
 - (4) The name, model, and setting depth of the packer used or a description of any other seal system or assembly used.

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

- B. The following must be submitted for each injection well covered by this application. All items must be addressed for the initial well. Responses for additional wells need be shown only when different. Information shown on schematics need not be repeated.
 - (1) The name of the injection formation and, if applicable, the field or pool name.
 - (2) The injection interval and whether it is perforated or open-hole.
 - (3) State if the well was drilled for injection or, if not, the original purpose of the well.
 - (4) Give the depths of any other perforated intervals and detail on the sacks of cement or bridge plugs used to seal off such perforations.
 - (5) Give the depth to and the name of the next higher and next lower oil or gas zone in the area of the well, if any.

XIV. PROOF OF NOTICE

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

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

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

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

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

Attachment III

Well Data

- A. (1) J.L Keel B 57 1,980' FNL & 580' FEL Section 8, T-17-S R-31-E Eddy, New Mexico
 - (2) Casing Data: Also see well bore schematic

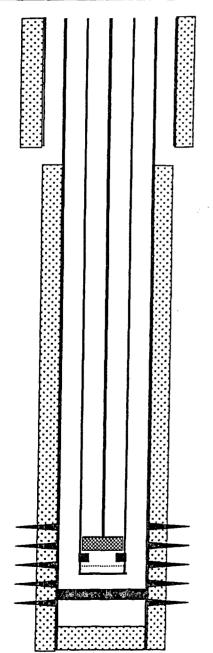
 Surface: 8 5/8" set @ 424' in a 12 1/4" hole, cmt. with 500sx to surf, determined by CBL

 Producing: 5 1/2" set @ 3,983' in a 7 7/8" hole, cmt with 1325sx to 480', determined by CBL

 Liners: None
 - (3) Tubing: 2 7/8", 6.5#, J-55, 8rd EUE set @ 3,526"
 - (4) Packer: None
- B. (1) <u>Original Purpose of well</u>: The well was originally drilled, completed (05/02/1995) and tested as a producer from perforations 3,029' 3,899' (oil)
 - (2) <u>Injection Interval</u>: The injection interval is to be from 3,029' 3,899'
 - (3) <u>Injection Formation</u>: the injection formation will be the Grayburg to the Jackson from 3,029' 3,899'
 - (4) <u>Higher/Lower Oil Zones:</u> There are no other completed zones in this well.

MERIT ENERGY COMPANY WELLBORE SCHEMATIC

WELL NAME:	J.L. KEEL "B" #	57		FIELD: GRAYE	BURG-JACKSC	N	
LOCATION: 19	980' FSL & 580'	FEL, SEC 8-T1	17S-R31E	COUNTY: EDD)Y		STATE: NM
ELEVATION: 0	GL=3824'; KB=3	838		SPUD DATE: 0	1/08/95	COMP DATE:	05/02/95
API#: 30-015-2	8079	PREPARED	BY: JUSTIN E. F	INDLEY		DATE: 06/14/2	8008
	DEF	PTH	SIZE	WEIGHT	GRADE	THREAD	HOLE SIZE
CASING:	0' -	424'	8 5/8"	24#	J-55	ST&C	12 1/4"
CASING:	0' - :	3983'	5 1/2"	15.5#	J-55	LT&C	7 7/8"
CASING:							
TUBING:		3526'	2 7/8"	6.5#	J-55_	8 RD	
TUBING:							



CURRENT

PROPOSED

OPERATOR: MERIT ENERGY COMPANY

8 5/8" CASING @ 424' W/500 SXS. TOC @ SURFACE.

DETAIL OF PERFORATIONS

GRAYBURG: 3029'

U.GRAYBURG: 3054', 57', 66', 80', 82'

M.GRAYBURG: 3099'

LOCO HILLS: 3132', 34'

L.GRAYBURG: 3208', 14', 25', 52', 54'

PREMIER: 3268', 73', 80', 85', 92'

VACUUM: 3336', 54', 74', 80', 92', 3411'

LOVINGTON: 3424', 26', 32', 34', 36', 47', 56'

U.JACKSON: 3487', 97'

M.JACKSON: 3586', 93', 3606', 21', 24', 37', 45', 70', 79', 96', 3702', 13',

25', 31'

L.JACKSON: 3741', 47', 52', 69', 73', 3849', 64', 76', 89', 97', 99'

PERFORATIONS: 3029'- 3899'(OA) - 59 HOLES

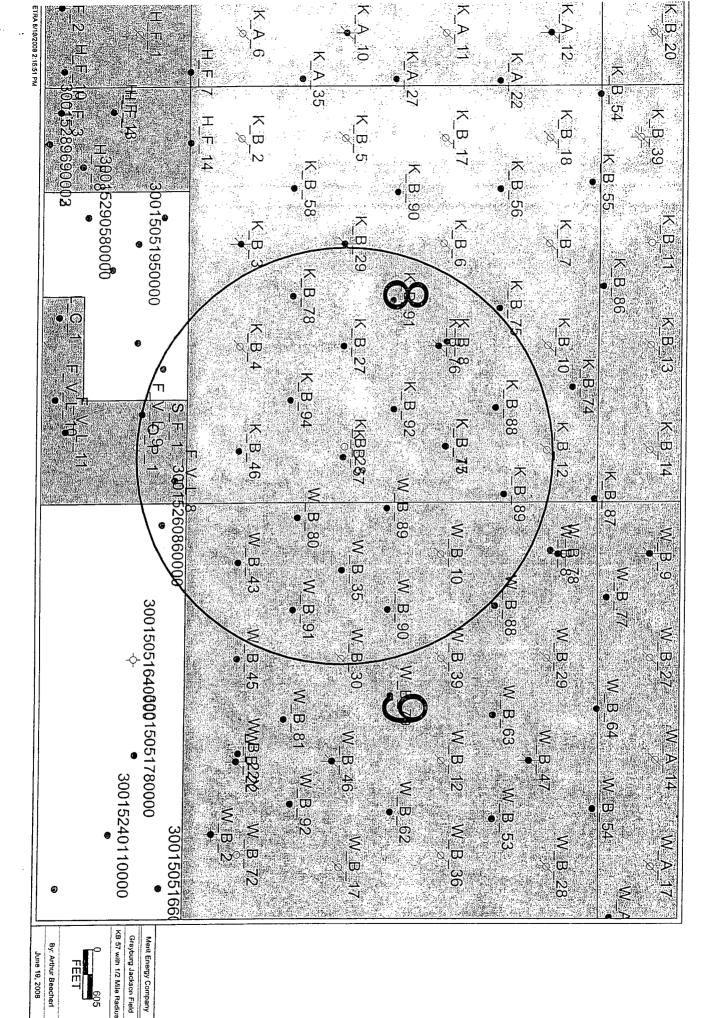
SEAT NIPPLE @ 3490'

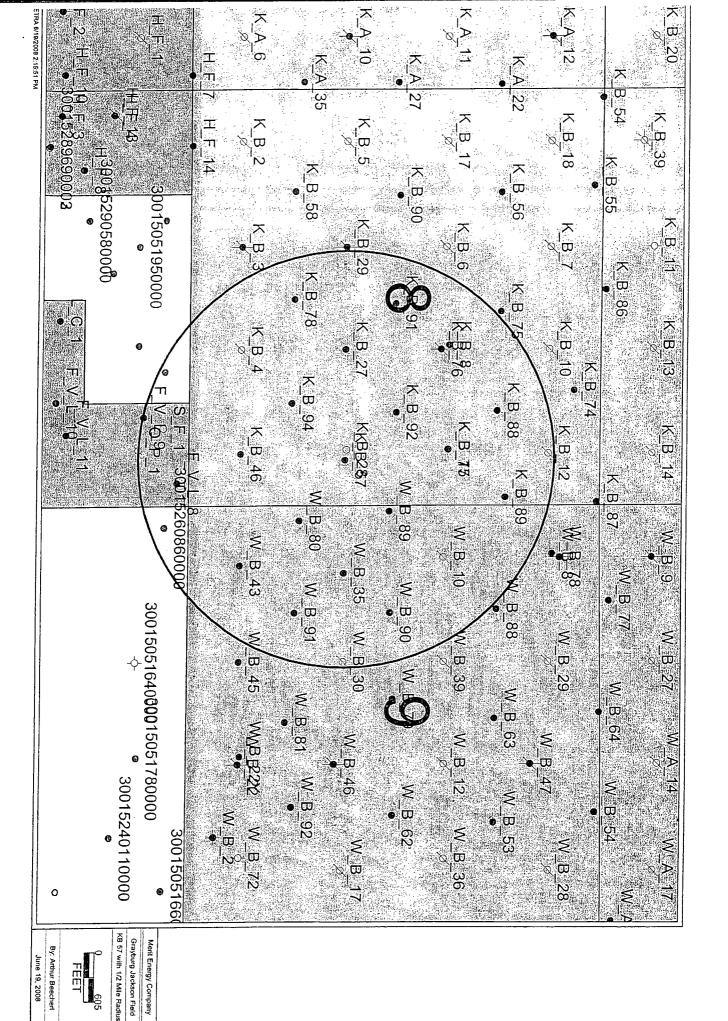
CIBP @ 3568', CAPPED WITH 10' CEMENT

PBTD @ 3966'

5 1/2" CASING @ 3983' W/1325 SXS. TOC @ 480' (CBL)

TD @ 3985'





DETRA AMODONA DA	300153431200 300150431200 300150491200 0 0 300152864100 30015083480 0	320870000	300150412800	300 1504 13000 300 152697000	300 1504040000	30015238170000	000 1504025GH
710 83-01	141 FEA 100 PT 15		X 24 X 13 X 13	(K, 1) (K	10 KB 25 SB (1842)	K_B_1 K_B_35	1504938@min50494100@m0150494800900150495200gpo150495400000
	27. Aug. 27.		(A33 (A34 (A34 (A34)))) (A34 (A34)) (A34)	A 38 KAZILI KAZI		KB_22 \\ KB_32 \\ KB_312 \	CED015244570000
			K A 27 X K B B C S 24 K B S 24	19 K P 51-3 K B 20 28 K P 18 1 18 Q 44 18 Q 44 18 A 22 K B 17 19 19 K P 17 19	1	K.B.40	11504952009D015049540000
		\$ F 2 F 2 F 2 F 2 F 2 F 2 F 2 F 2 F 2 F		(KB.7 32 KB.10 (MB.7	18 1	K.B.48 + K.S.B.4	300 150495900000 150495600000 150495800000 15049810000 300 150495900000 150495800000 150498300000 300 150495500000 150495800000 150498300000 300 150495500000 150495800000 1504958000000 300150498300000
	Con interpretation of the control of	100 0 19 10 10 10 10 10 10 10 10 10 10 10 10 10	125 S S S S S S S S S S S S S S S S S S S	KB BRIT KB 88		B.66 21 KCB 70 841	300 1504959000000 1504956000000 1504968000000 1504968 10000
	30/15 30/15 30/15 30/15/30 30/15	3001505164000015051760000 30015051760000 30015051770000 30015051770000 300150529170000 30015293910000 50015296900000000000000000000000000000000000	8.35 W B 00 W B	10 17 18 19 19 19 19 19 19 19 19 19 19 19 19 19	WE 77 24 YE 77 24 YE 77 25 YE	M. B. G. S. W. B. S.	3890090015049810000
		01505/14000015051780000	3 W B 22 S W B 17 W B 1	120 WE 54 25 WE 56 WE 54 25 WE 56 WE 54 25 WE 56		W A 22 W A 3/3	300150.498200000 300150.498200000 300150.5027000000000000000150.49820000000
	1505340000000000000000000000000000000000	01505154009001520366 01507680152923000800152923000 01520745\$\(\text{0}\) 0200 1505155 000	e.u.k. 25	20 WB-50 33 WB-40 44 WB WB-40 46 WB 8 52 44 WB-5 33 B 52 44 WB-5 33 B 52 44 WB-5 33 B 52 44 WB-5 33	VE 33 2 WS F3	W.W.ED 26 W.A.	001504993009001504980000155
	150534 00000 15152 1515 1515 1515 1515 1515 15	015051540C9001522038600000152515300900152040000 3001529203008015288650000015292040000 000015292030080 000015292030080000000172 までも終めた29312008001529130000 00000152920800000000172 までも終めた29312008001529130000 00000152249400100 000000152249400100 000000152249400100 000000152249400100 000000152249400100 000000152249400100 000000152249400100 0000001522801300900152897200080015289800000152894700000 000000152913900015000000000152893800000152894700000	WE 69.22 W. B. 69.24 W. B. 69.25 W. B. 69.	Will 57, 11 W B 56, 12 W B 56, 13 W B 56, 13 W B 56, 13 W B 56, 13 W B 56, 14 W B 56, 15	100 100 175 W 100 100 100 100 100 100 100 100 100 1	7.19. 0.74. W.20.29. 0.74. 0.7	2177100
		55.15300800 152040800m か15205580 の分か1529240000 552531988881555558880 15051460 552531988881555529 130000 05.157003801529 130000 05.15700380152548470000 05.15700380152898000015249470000 05.15700380152898000015249470000	10 1 200 15206790 10 10 15206790 10 10 15206970 10 10 15206970 10 10 15206970 10 10 15206970 10 10 15206970 10 10 15206970	B. 24 30015051310	36 44 8 26 20015050470 35 35 35 35 35 35 35 35 35 35 35 35 35	W.O.1. ■ 30015050390 13926000 13926000 13926000000000000000000000000000000000000	0000 30015049880000015050100
June 19, 2008	Merit Energy Company Grayburg Jackson Field KB 57 with 1/2 Mile Radius All wells win 2 miles All FEET By: Arthur Beschert						PHtachm
L	did did						H 3

TYT-TYT-

J.L Keel B 57

Attachment VI

Well Name	Location	Soud Date Co	Completion Date Type of We	eli Denth	Completion Record	Current
						8 5/8" @ 642' w/ 100sx
						7" @3,097' w/ 200sx
						4 1/2" @ 3,010'
					8 5/8" @ 642' w/ 100sx TOC 480'	4 1/2" @ 3,612'
					7" (03.097' w/ 200sx TOC 1700'	2 3/8" @ 2,978'
-	1980' FNL & 660' FWL				2 1/2" @ 3.300'	Cmt retainer @ 3,599'
H.E. West B 10	Sec 9, T-17-S; R-31-E	2/23/1953	4/9/1953 Injection	3.623	Perfs @ 3,204' - 3,313'	Perfs @ 3,085' - 3,588'
						8 5/8" @ 552' w/ 300sx TOC surf
			٠.			4 1/2" @ 3,952' w/ 470sx TOC
			:		8 5/8" @ 552' w/ 300sx TOC surf	1824'
			÷		4 1/2" @ 3.952' w/ 470sx TOC 1824'	2 2/8" @ 3,120'
in the state of th	1980' FSL & 1980' FWL				2 2/8" @ 3,351'	Perfs @ 3,176' - 3,879'
H.E. West B 30	Sec 9, T-17-S; R-31-E	1/19/1966	2/30/1966 Injection	5.952'	Perfs @ 3,394' - 3,472'	CIBP @ 3810' & 3815'
						8 58/" @ 460' w/ 400sx
					8 58/" @ 460' w/ 400sx TOC surf	5 1/2" @3,815' w/ 300sx
					5 1/2" @3 815' w/ 300sx TOC suff	2 7/8" 3.680'
	1080' ES! 8 860' EW!				Cat retainer @ 2 724	Cmt retainer @ 3.721'
	1300 1 SER 000 1 ME	00071107		i		Dorfe @ 2 212' - 2 707'
H.E. West B 35	Sec 9, 1-17-5; R-31-E	10/5/1988	11/10/1988 Oil	3,815	Perts @ 3,/91' - 3,212'	Fells @ 3,212 - 3,101
					8 58/" @ 417' w/ 512sx TOC Surf	8 58/" @ 417' w/ 512sx TOC Surf
					5 1/2" @ 3,831' w/1250sx TOC Surf	5 1/2" @ 3,831' w/1250sx TOC
	660' FSL & 760' FWL				2 3/8" @ 3,687'	Surf 23/8" @ 3,687'
H.E. West B 43	Sec 9; T-17-S; R-31-E	1/20/1989	3/4/1989 Oil	3,831	Perfs 3,141' - 3,673'	Perfs 3,141' - 3,673'
					8 5/8" @ 539' w/ 380sx TOC surf	8 5/8" @ 539' w/ 380sx
					5 1/2" @ 4,304' w/ 1090sx TOC surf	5 1/2" @ 4,304' w/ 1090sx
*****	1410' FSL' & 193' FWL				2 7/8" @ 3,747'	2 7/8" @ 3,747'
H.E. West B 80	Sec 9, T-17-S; R-31-E	11/25/1995	1/12/1996 Oil	4,305	Perfs @ 3,017' - 3,676'	Perfs @ 3,017' - 3,678'
					8 5/8" @ 513' w/ 450sx TOC surf	8 5/8" @ 513' w/ 450sx
					5 1/2" @ 4,269' w/ 1300sx TOC	5 1/2" @ 4,269' w/ 1300sx
-	2552' FSL & 75' FWL				2 7/8" @ 4,161'	2 7/8" @ 4,161'
H.E. West B 89	Sec 9, T-17-S; R-31-E	7/24/1995	9/27/1995 Oil	4.270'	Perfs @ 3,123' - 4,099'	Perfs @ 3,123' - 4,099'

6/20/2008

					8 5/8" @ 567' w/ 380sx TOC surf	8 5/8" (Ø 567' W/ 38USX E 4/3" (@ 4 257'/ 426052
•	2570' FSL & 1356' FWL				5 1/2" @ 4,352 W/ 1260SX 10C SUR 2 7/8" @ 3,941'	2 7/8" @ 3,941'
H.E. West B 90	Sec 9 T-17-S; R-31-E	11/18/1995	1/8/1996 Oil	4,335	Perfs @ 3,160' - 3,892'	Perfs @ 3,160' - 3,892'
	1365' FSL & 1360' FWL				8 5/8" @ 476' w/ 380sx TOC surf 5 1/2" @ 4,349' w/ 1100sx TOC surf 2 7/8" @ 3 908'	8 5/8" @ 476' w/ 380sx TOC surf 5 1/2" @ 4,349' w/ 1100sx TOC surf 2 7/8" @ 3.908'
H.E. West B 91	Sec 9 T-17-S; R-31-E	12/2/1995	1/12/1996 Oil	4,350'	Perfs @ 3,143' - 3,845'	Perfs @ 3,143' - 3,845'
						8 5/8" @ 541' w/ 60sx TOC 260' calc 7" @ 2,897' w/ 100sx TOC 2090'
					8 5/8" @ 541' w/ 60sx TOC 260' calc 7" @ 2,897' w/ 100sx TOC 2090'	calc 4 1/2" @ 2,818'- 3,728' w/ 104sx
На В В 4	660' FSL & 1980' FEL' Sec 8 T-17-S' R-31-F	2/8/1945	5/16/1045	3 730,	calc 2" @ 3,256' Baff @ 2,078' 3,402'	2.3/6 (@ 2,92/ Perfs (@ 2,978' - 3,492' CIRD (@ 3.515'
				2,1,0	25,0 0 2,010 1	
			,		10 3/4" @ 596' w/ 100sx	Cmt plg @ 0' - 580' Cmt plg @ 1,280' -1,486' Top of cmt plg @ 2,650'
J.L Keel B 8	1980' FNL & 1980' FEL' Sec 8, T-17-S; R-31-E	5/25/1951	P&A 7/7/1951 6/9/1983	3,400'	7" @ 2,945 w/ 200sx 4 1/2" @ 2,750' - 3,400' w/ 250sx	Cmt retainer @ 2,985' pump 100sx below & cap w/ 35sx
					8 5/8" @ 560' w/ 370sx TOC surf	8 5/8" @ 560' w/ 370sx TOC surf 5 1/2" @3,725' w/ 325sx TOC
J.L Keel B 27	1980' FSL & 1980' FEL Sec 8, T-17-S, R-31-E	10/3/1964	11/9/1964 Oil	3,737'	5 1/2" @3,725' w/ 325sx TOC 1240' 2 7/8" @ 3,479' Perfs @ 3,064' - 3,724'	1240' 2 7/8" @ 3,637' Perfs @ 2,952' - 3,724'

6/20/2008

J.L Keel B 28	1980' FSL & 660' FEL Sec 8, T-17-S, R-31-E	10/23/1964	P&A 11/10/1964 8/30/1997	3 800.	8 5/8" @ 550' w/ 225sx TOC surf 4 1/2" @ 597' - 3,800' w/ 360sx TOC 2 220'	Cmt retainer @ 482' pump 500sx below cap w/ 130sx Spot cmt plg @ 998' w/ 300sx Spot cmt plg @ 1,250' w/ 300sx
J.L Keel B 46	660' FSL & 660' FEL Sec 8, T-17-S, R-31-E	4/23/1989	5/31/1989 Oil	3,751'	8 5/8" @ 387' w/ 300sx TOC surf 5 1/2" @ 3,751' w/ 1700sx TOC surf 2 7/8" @ 3,569' Perfs @ 3,050' - 3,674'	8 5/8" @ 387" w/ 300sx 5 1/2" @ 3,751" w/ 1700sx 2 7/8" @ 3,569' Perfs @ 3,050' - 3,674'
J.L. Keel B 57	1980' FSL & 580' FEL Sec 8, T-17-S, R-31-E	1/8/1995	2/5/1995 Oil	3,985	8 5/8" @ 424' w/ 500sx TOC surf 5 1/2" @ 3,983' w/ 1325sx TOC 480' 2 7/8" @ 3,526' Perfs @ 3,029' - 3,899' CIBP @ 3,568' set above perf @ 3,586'	8 5/8" @ 424' w/ 500sx TOC surf 5 1/2" @ 3,983' w/ 1325sx TOC 480' 2 7/8" @ 3,526' Perfs @ 3,029' - 3,899' CIBP @ 3,568' set above perf @
J.L Keel B 76	3020' FNL & 1980' FEL Sec 8, T-17-S, R-31-E	3/24/1995	8/12/1995 Injection	3,907'	8 5/8" @ 470' w/ 350sx TOC surf 5 1/2" @ 3,906' w/ 1250sx TOC surf 2 7/8" @ 3,818' Perfs @ 3,079' - 3,748'	8 5/8" @ 470' w/ 350sx TOC surf 5 1/2" @ 3,906' w/ 1250sx TOC surf 2 7/8" @ 3,818' Perfs @ 3,079' - 3,748' CIBP @ 3,612' set above perf @
J.L Keel B 77	1930' FNL & 714' FEL Sec 8, T-17-S; R-31-E	8/2/1995	8/23/1995 Oil	4,000'	8 5/8" @ 532' w/ 380sx TOC surf 5 1/2" @ 3,999' w/ 2000 sx TOC surf 2 7/8" @ 3,897' Perfs @ 3,091' - 3,820'	8 5/8" @ 532' w/ 380sx 5 1/2" @ 3,999' w/ 2000 sx 2 7/8" @ 3,934' Perfs @ 3,091' - 3,820'
J.L Keel B 78	1330' FNL & 2616' FEL Sec 8, T-17-S; R-31-E	6/27/1995	7/22/1995 Oil	4,155'	8 5/8" @ 426' w/ 350sx TOC surf 5 1/2" @ 4,154' w/ 1450sx TOC surf 2 7/8" @ 3,872' Perfs @ 2,902 - 9,791'	8 5/8" @ 426' w/ 350sx TOC surf 5 1/2" @ 4,154' w/ 1450sx TOC surf 2 7/8" @ 3,872' Perfs @ 2,902 - 9,791'

					8 5/8" @ 440' w/ 490sx TOC surf	8 5/8" @ 440' w/ 490sx
	1310' FNL & 1200' FEL				5 1/2" @ 4,239" W/ 1800 SX 1 OC SUR 2 7/8" @ 4.048"	2 7/8" @ 4,239 W/ 1000 SX 2 7/8" @ 4,017"
J.L Keel B 88	Sec 8, T-17-S; R-31-E	7/18/1995	9/3/1995 Oil	4,240'	Perfs @ 3,128' - 3,991'	Perfs @ 3,128' - 3,991'
					8 5/8" @ 519' w/ 500sx TOC surf	8 5/8" @ 519' w/ 500sx
					5 1/2" @ 4,289' w/ 1540sx TOC surf	5 1/2" @ 4,289' w/ 1540 sx
,	1194' FNL & 100' FEL				2 7/8" @ 4,127'	2 7/8" @ 4,064'
J.L Keel B 89	Sec 8, T-17-S; R-31-E	8/11/1995	9/27/1995 Oil	4,290'	Perfs @ 3,177' - 4,033'	Perfs @ 3,177' - 4,033'
						8 5/8" @ 466' w/ 500sx TOC surf
					8 5/8" @ 466' w/ 500sx TOC surf	5 1/2" @ 4,068' w/ 1075sx TOC
-					5 1/2" @ 4,068' w/ 1075sx TOC surf	surf
	2664' FSL & 2562' FEL	1			2 7/8" @ 3,984'	2 7/8" @ 3,984'
J.L Keel B 91	Sec 8, 1-17-5; R-31-E	5/15/1995	6/22/1995 Oil	4,069	Perfs @ 2,969' - 3,964'	Perfs @ 2,969' - 3,964'
-					8 5/8" @ 478' w/ 350sx TOC surf	
					5 1/2" @ 4,164' w/ 1300 sx TOC	8 5/8" @ 478' w/ 350sx
					185'	5 1/2" @ 4,164' w/ 1300 sx
	2630' FSL & 1182' FEL				2 7/8" @ 4,103'	2 7/8" @ 4,037'
J.L Keel B 92	Sec 8, T-17-S; R-31-E	7/15/1995	8/11/1995 Oil	4,265	Perfs @ 3,041' - 3,972'	Perfs @ 3,041' - 3,972'
· ·					8 5/8" @ 468' w/ 350sx TOC surf	
					5 1/2" @ 4,219' w/ 2050 sx TOC	8 5/8" @ 468' w/ 350sx
***************************************					100,	5 1/2" @ 4,219' w/ 2050 sx
	1309' FSL & 1299' FEL				2 7/8" @ 3,987'	2 7/8" @ 3,987'
J.L Keel B 94	Sec 8, T-17-S; R-31-E	7/6/1995	7/29/1995 Oil	4,220'	Perfs @ 2,975' - 3,878'	Perfs @ 2,975' - 3,878'
						8 5/8" @ 483' w/ 500sx TOC surf
					8 5/8" @ 483' w/ 500sx TOC surf	5 1/2" @ 3,833' w/ 1075sx TOC
					5 1/2" @ 3,833' w/ 1075sx TOC surf	surf
	255' FNL & 330' FEL				2 7/8" @ 3,668'	2 7/8" @ 3,668'
V.L Foster 8	Sec. 17; T-17-S, R-31-E	8/15/1997	8/28/1997 Oil	3,834'	Perfs @ 2,968' - 3,601'	Perfs @ 2,968' - 3,601'
						8 5/8" @ 477' w/ 375sx TOC surf
					8 5/8" @ 477' w/ 375sx TOC surf	5 1/2" @ 3,813' w/ 1475sx TOC
	1 1 0000 o				5 1/2" @ 3,813' w/ 1475sx TOC surf	surf
V Foster 9	Sec 17: T-17-S R-31-F	8/22/1997	10/10/1997 Oil	2 760'	2 7/8" @ 2,931' Dorfe @ 2,023', 2,580'	2 //8" @ 2,931 Dorfs @ 2,931, 3,580,
2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2		1661 777	50 505 50	3,700	rens @ 2,333 - 3,300	1 G13 @ 2,555 - 5,555

6/20/2008

Attachment VII

Proposed Operation

- 1. Average daily injection rate: 200 BWPD Maximum daily injection rate: 400 BWPD
- 2. Type of system: Open
- 3. Average injection pressure: 1,900 psi Maximum injection pressure: 2,100 psi
- 4. Source of injection water: Re-injection the wells produced water
- 5. N/A

Attachment VIII

<u>Lithology</u> – Dolomite

<u>Geologic Name</u> – Grayburg Jackson, (Loco Hills, Metex, Lower Grayburg, Premier, Vacuum, Lovington, Upper Jackson, Middle Jackson, Lower Jackson

Thickness - Gross footage 870'

Depth - 3,029' - 3,899'

Water Information – N/A

Attachment IX

Please see attached stimulation program.

Attachment X

Included in this packet is a copy of a scanned Neutron Log.

Attachment XI

There is no fresh water around this area.

Attachment XII

This is not an application for a disposal well, so no affirmative statement is needed.

Date:

April 28, 2008

Well:

Keel B #57

API:

30-015-28079

Field:

Grayburg-Jackson

Location:

1980'FNL & 580'FEL, SEC 8-T17S-R31E

Eddy County, NM

Formation: Grayburg-Jackson

Elevation: GL = 3.824

KB = 3.838

PBTD = 3,568' (+ 10' of cement)

TD = 3.985

Engineer:

Justin Findley

Subject: Injection Conversion

CURRENT WELLBORE:

Tubing: 2-7/8" 6.5# J-55 EUE 8rd 0'- 3,526'

Casing:

5-1/2" 15.5# J-55 LT&C 0 – 3,983' cemented w/1325 sx. **TOC**@480' (CBL)

8-5/8" 24# J-55 ST&C 0 - 424"

SN:

3,490'

CIBP:

3,568' (capped w/10' of cement)

Perforations: Current gross interval (3.091' – 3.497')

See well-bore schematic for details.

Procedure

- MIRU pulling unit. POOH w/rods and pump. NU BOP with 2-7/8" pipe rams 1. on top.
- 2. Tag PBTD and strap out.
- MIRU wireline unit. RIH w/CCL and log 3000' to 4000' and correlate with 3. Schlumberger C.E.L. (dated 4/1995)
- TIH w/3.125" slick gun (38.87" penetration, 0.40" entry hole, 90 degree 4. phasing) and perforate the following zones at the specified shot density:

```
4 SPF 3,054' - 3,056'
```

4 SPF 3,432' - 3,435'

⁴ SPF 3,129' - 3,135'

⁴ SPF 3,166' - 3,171'

(381' Gross, 23' Net, 120 shots)

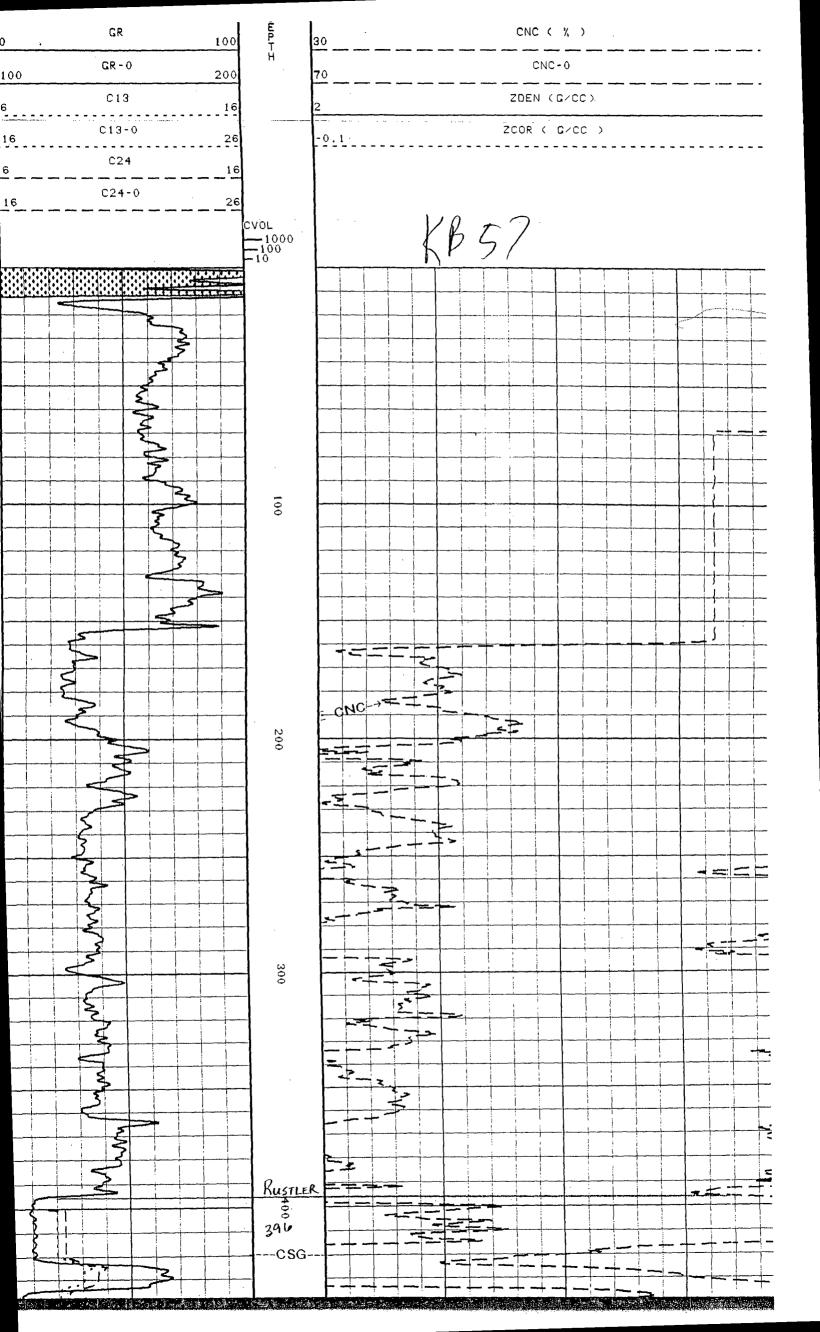
- 5. POOH, record any fluid level change and guns for misfires. RDMO wireline unit.
- 6. Pick up 5-1/2" Baker AD-1 packer on 2-3/8" IPC tubing, TIH while hydrotesting. Set packer at +/- 2,960' (69' above top perf). Load and pressure test annulus to 500 psig. Pick up swabbing tools, swab for entry and monitor fluid levels while swabbing back. RD swabbing tools.
- 7. MIRU acid company and rig up. Pressure test and hold 500# on annulus with pump truck. Pressure test lines to 3000 psig with maximum treating pressure established 2,500 psig.
- 8. Establish injection rate and pressure into perforated interval from 3,029' to 3,497' with 2% KCl followed by 3,000 gallons of solvent that is 90% by volume 15% HCL and 10% by volume toluene along with 3,000# of rock salt to divert.

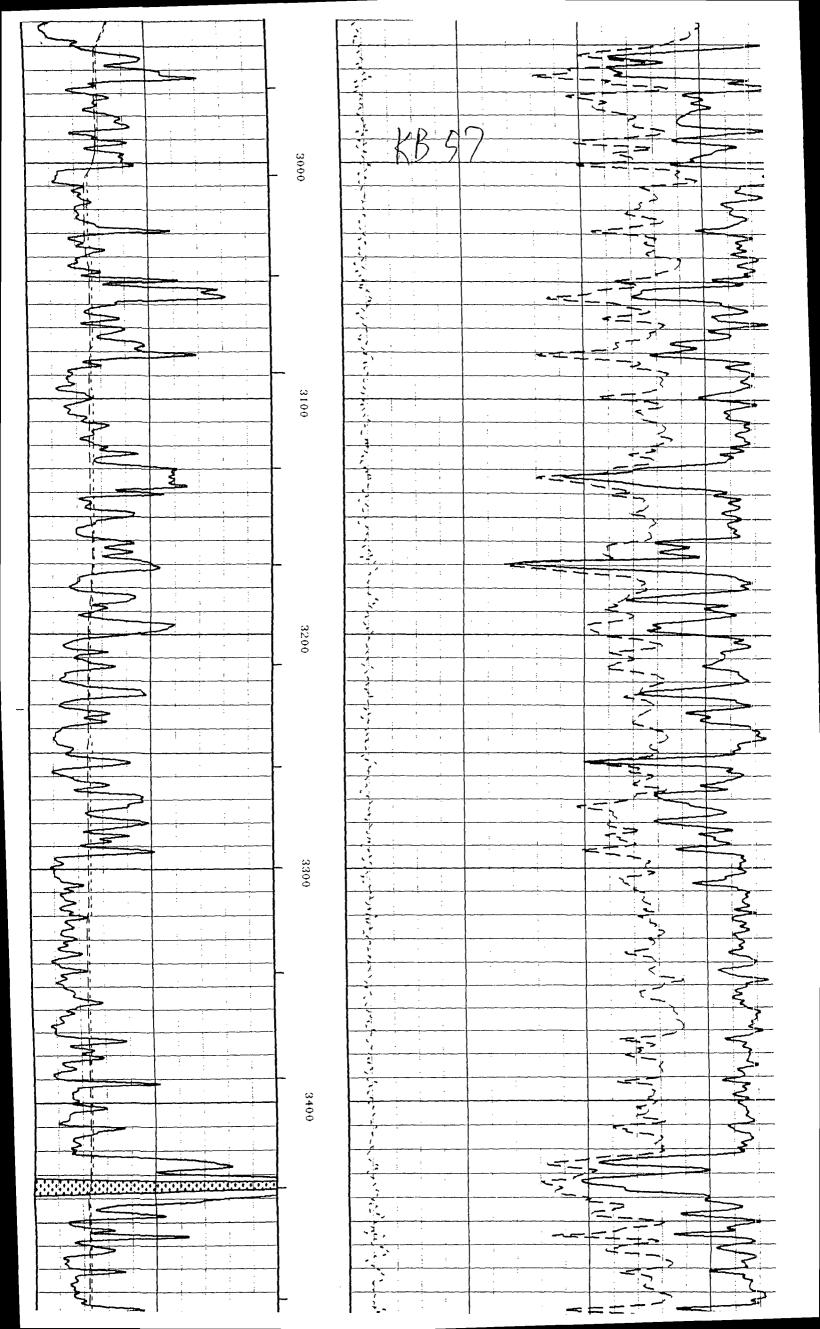
15% HCL	2700 gal
Toluene	300 gal
Clay Stabilizer	
ACI-166	3.75 gal
NE-116	7.5 gal
NE-122	7.5 gal
FE Reducer	14.75 gal
Rock Salt	3,000 lbs

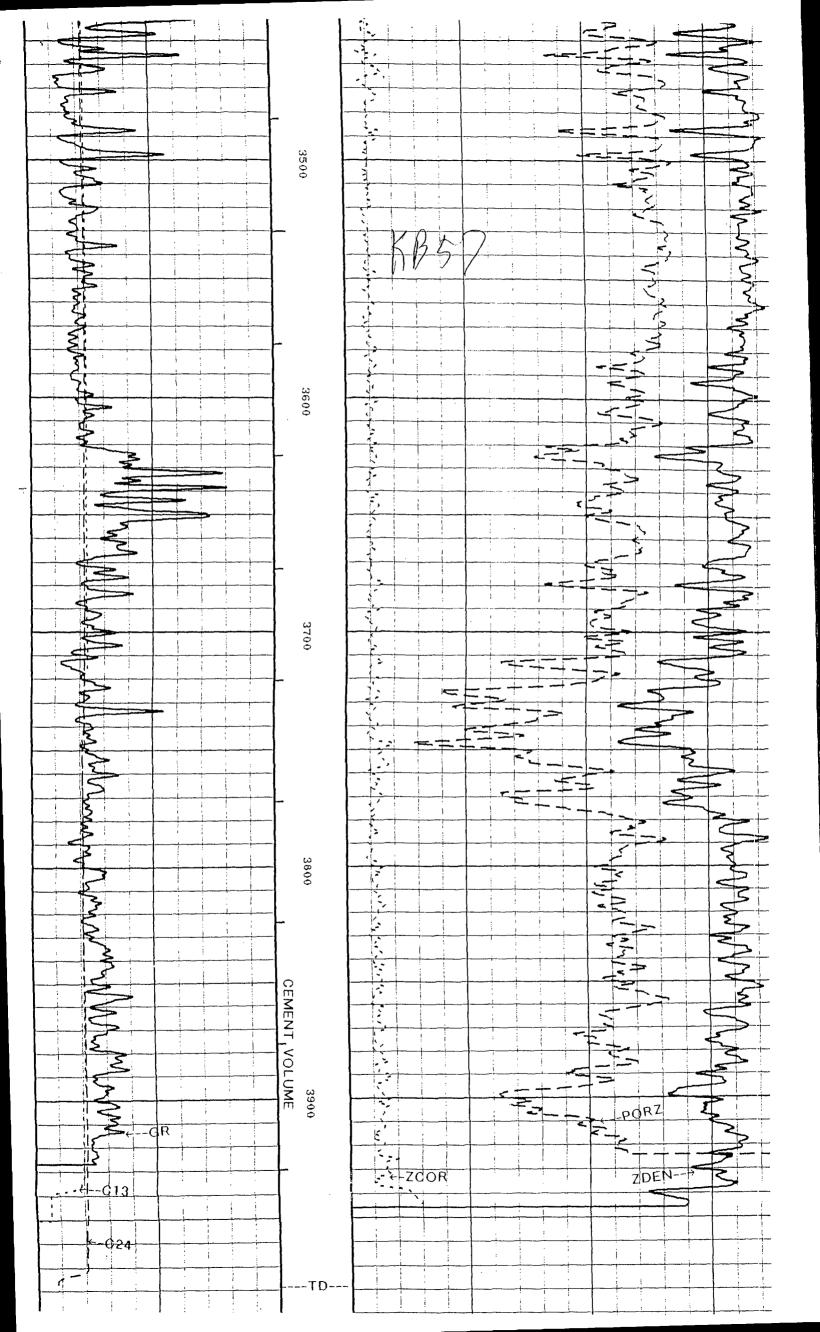
- 9. RDMO treating company.
- 10. Turn well to injection.

Contacts

Operations Manager:	David Hertel	(806) 229-6300 - Office
Foreman:	Jackey Williams	(806) 789-5718 - Cell
Region Manager:	Cruz Abila	(972) 628-1552 - Office
Ops. Engineer:	Justin Findley	(972) 628-1493 / (214) 577-9784







Attachment XIII

Proof of Notice

Merit Energy Company is the operator of all wells within the area of review. The Bureau of Land Management is the surface owner. They have been notified by BLM Sundry Notice (3160-5).

Proof of Publication

Please see the following page.