

DATE IN 1/26/12	SUSPENSE	ENGINEER WVS	LOGGED IN	TYPE LPI 428	APP NO. PUWT1234875292
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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]
 [SWD-Salt Water Disposal] [IPI-Injection Pressure Increase]
 [EOR-Qualified Enhanced Oil Recovery Certification] [PPR-Positive Production Response]

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

[A] Location - Spacing Unit - Simultaneous Dedication

☐ NSL ☐ NSP ☐ SD

Check One Only for [B] or [C]

[B] Commingling - Storage - Measurement

☐ DHC ☐ CTB ☐ PLC ☐ PC ☐ OLS ☐ OLM

[C] Injection - Disposal - Pressure Increase - Enhanced Oil Recovery

☐ WFX ☐ PMX ☐ SWD ☒ IPI ☐ EOR ☐ PPR

[D] Other: Specify _____

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

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners

[B] ☐ Offset Operators, Leaseholders or Surface Owner

[C] ☐ Application is One Which Requires Published Legal Notice

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

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

[F] ☐ Waivers are Attached

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

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

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

Fatima Vasquez

Print or Type Name

Signature

Regulatory Tech I

Title

10/02/12

Date

Fatima.Vasquez@apachecorp.com

e-mail Address

OGRID 873 APACHE CORP
 API# 30-025-37681
 Well Southeast LBSK 34 Fed#6
 Located 1/4 A, 34-198-32E
 UNIT
 SWD-1117 4/23/08
 4680-6786 → 936PS
 (Delaney Pelfs)
 (State)
 2 1/8" TBG
 1625 PSE
 4680 = 0.35



10/02/12

Mr. E.L. Gonzales
Oil Conservation Division
1625 N. French Dr.
Hobbs, NM 88240

RE: Southeast Lusk 34 Federal #6

Mr. E.L. Gonzales,

Based on the order SWD 1117 issued on April 13, 2008, the maximum surface injection pressure is 936 psi. Apache Corporation respectfully requests to increase the injection pressure on the Southeast Lusk 34 Federal #6. Step rate tests have been performed and the results are summarized below. More detailed information in regards to the test and wellbore are enclosed.

Well	API	Fracture Pressure	Requested Inj. Pressure Limit	SRT Date
Southeast Lusk 34 Federal #6	30-025-37681	5.1 bpm at 2054 psig	1625* OK	09/11/12

* Increase tubing size from 2" to 2 ½ ".

Please feel free to contact the engineer, Mark Thomas, at (432) 818-1071 or myself should you have any questions or need any other information. Thank you for your time and consideration.

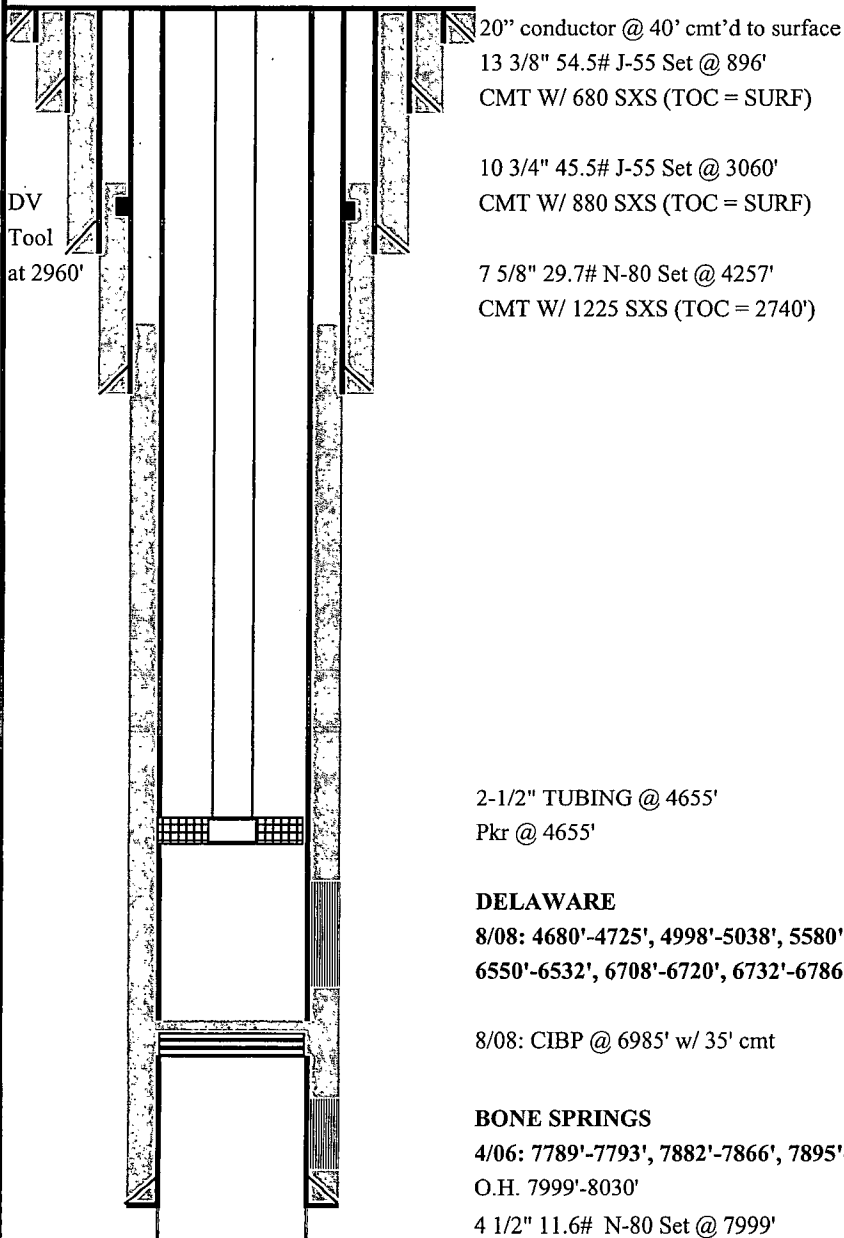
Regards,

Fatima Vasquez
Regulatory Tech I
Apache Corporation
Fatima.Vasquez@apachecorp.com
(432) 818-1015

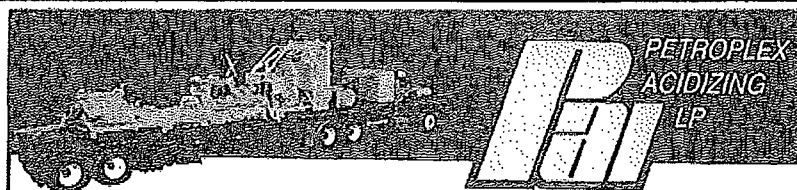
Apache Corp.

GROUP:	Permian North	DATE:	Sep. 14, 2012
FIELD:	Lusk (Mariner)	BY:	SNH
LEASE/UNIT:	Southeast Lusk 34 Federal	WELL:	#6
COUNTY:	Lea	STATE:	New Mexico
API NUMBER:	30-025-37681		

KB = 16'
GL = 3567'



TD = 8030'
PBTD = 6985'



APACHE

CRAIG MAXWELL

Treater: DAVID JUAREZ

9/11/2012

Well: 6

Field: S E LUSK 34

EDDY, NM

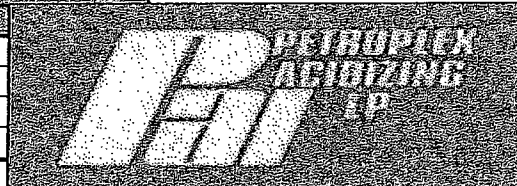


Treatment Report

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Customer:	APACHE	Ticket #	64250
Well Name & No.:	S.E. LUSK 34 #6	AFE#	PA-12-3419
County:	EDDY	Date:	September 11, 2012
State:	NM	Well type:	Oil / Old / Stim.

Customer Information	
Address:	0.00
City, State:	0.00
Zip Code:	0
Customer Representative:	CRAIG MAXWELL



Remarks

Arrive on Location:	6:00 AM
Depart Location:	11:00 AM
Total Hours:	5.00

	Depth	O/D	Weight	I/D		Volume	Bbls/linear ft.
Tubing 1 length ft.	N/A	2 7/8	0	0.000		0.00 BBLs.	0.00000
Tubing 2 length ft.						0.00 BBLs.	0.00000
Casing 1 length ft.	N/A	5 1/2	0.00	0.000		##### BBLs.	0.00000
Casing 2 length ft.						0.00 BBLs.	0.00000
Open Hole length ft.		N/A	N/A			0.00 BBLs.	0.00000
Combined Depth ft.	#VALUE!				Annular Vol.	BBLs.	-0.00803

Top Perf/Open Hole	Depth	Vol	Maximum Pressure	2701	ISIP	860
Bottom Perf/Open Hole	N/A	#VALUE!	Average Pressure	1128	5 min	795
Number of Perfs	N/A		Maximum Rate	6.5	10 min	760
Perf Size	0.31	in.	Average Rate	3.1	15 min	735
Packer Depth	N/A	ft.	Fluid to Recover	493.5	Proppant Total	

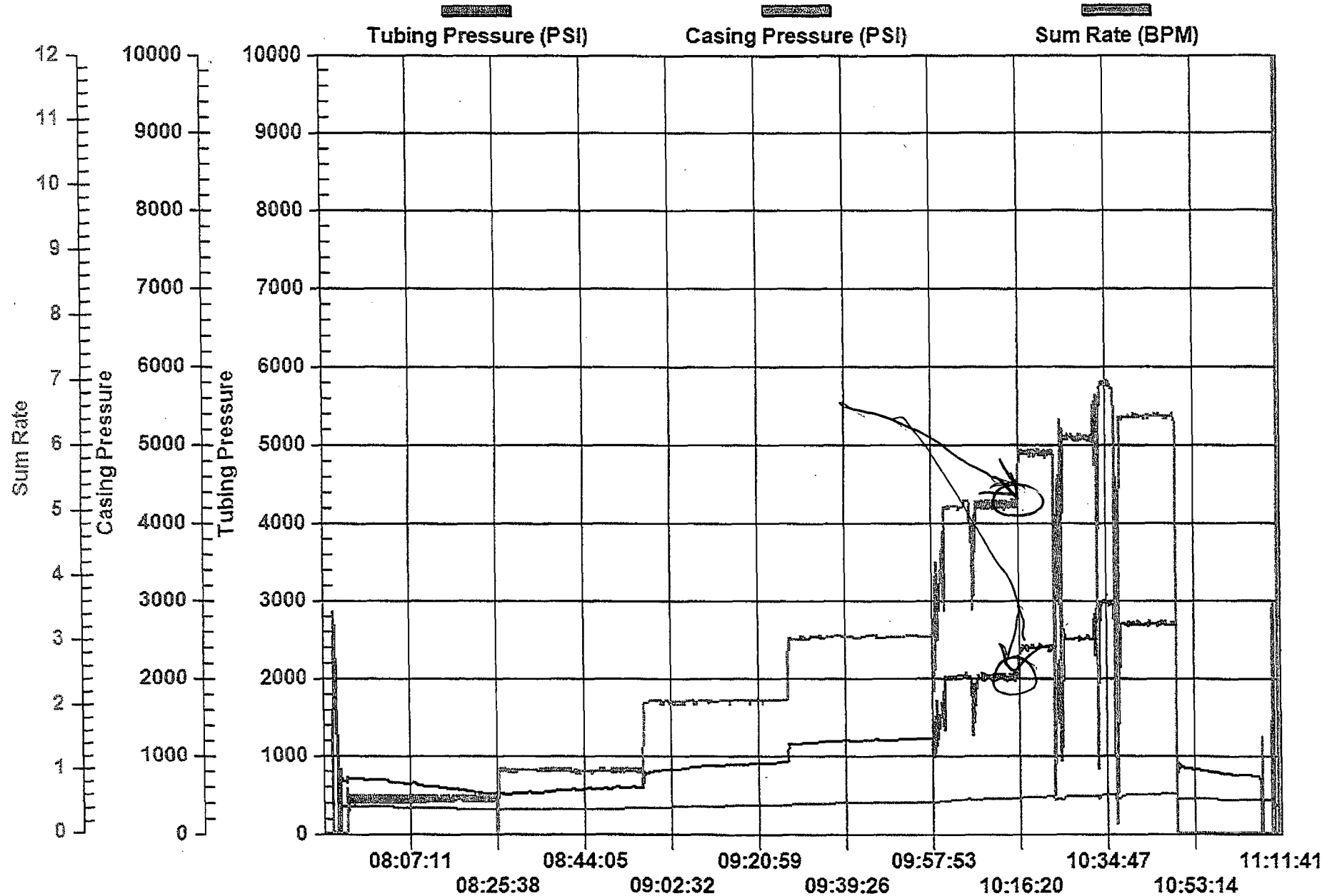
Time	STP	Casing	Rate	Stage	Total	Comments
6:00:57 AM	0					SAFETY MEETING
7:53:25 AM	2880	350.0	0.0		0.0	PRESSURE TESTED LINES
7:56:29 AM	688	350.0	0.5		0.4	.5 BPM
8:00:54 AM	695	345.0	0.5		2.6	PSI & RATE CHECK
8:10:29 AM	616	327.0	0.5		7.8	PSI & RATE CHECK
8:15:50 AM	587	320.0	0.5		11.0	PSI & RATE CHECK
8:26:09 AM	499	312.0	0.5		16.6	PSI & RATE CHECK
8:28:41 AM	517	310.0	1.0		17.9	1 BPM
8:39:03 AM	541	308.0	1.0		28.0	PSI & RATE CHECK
8:45:49 AM	545	313.0	1.0		35.0	PSI & RATE CHECK
8:51:01 AM	566	314.0	1.0		39.6	PSI & RATE CHECK
8:55:44 AM	586	319.0	1.0		44.2	PSI & RATE CHECK
8:58:35 AM	590	320.0	1.0		47.0	PSI & RATE CHECK
8:59:12 AM	762	326.0	2.0		47.9	2 BPM
9:08:11 AM	840	340.0	2.0		66.2	PSI & RATE CHECK
9:17:11 AM	883	352.0	2.0		85.0	PSI & RATE CHECK
9:25:20 AM	898	359.0	2.0		101.3	PSI & RATE CHECK
9:29:24 AM	907	362.0	2.0		109.8	PSI & RATE CHECK
9:29:57 AM	1136	370.0	3.0		111.8	3BPM
9:36:28 AM	1175	380.0	3.0		131.0	PSI & RATE CHECK
9:41:59 AM	1195	388.0	3.0		147.5	PSI & RATE CHECK
9:45:30 AM	1199	391.0	3.0		158.3	PSI & RATE CHECK
9:48:01 AM	1200	394.0	3.0		165.9	PSI & RATE CHECK
9:59:47 AM	1221	398.0	3.0		202.2	PSI & RATE CHECK
10:03:12 AM	2022	424.0	5.0		214.0	5BPM
10:07:23 AM	2017	436.0	5.1		235.0	PSI & RATE CHECK
10:11:18 AM	1995	440.0	5.1		254.0	PSI & RATE CHECK
10:12:57 AM	2002	443.0	5.1		262.6	PSI & RATE CHECK
10:18:07 AM	2054	446.0	5.1		290.1	PSI & RATE CHECK
10:19:18 AM	2380	460.0	5.9		296.0	6 BPM
10:22:43 AM	2411	466.0	5.9		316.0	PSI & RATE CHECK

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[illegible]

APACHE-S-E-LUSK-34-6-9-11-12



SE Lusk 34 #6 - Step-Rate Injectivity - Surface Pressure (2 1/2" Tubing)

