

ABOVE THIS LINE FOR DIVISION USE ONLY

NEW MEXICO OIL CONSERVATION DIVISION

- Engineering Bureau -

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



232

ADMINISTRATIVE APPLICATION CHECKLIST

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

Application Acronyms:

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

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

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

Check One Only for [B] or [C]

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

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

[D] Other: Specify _____

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

[A] ☐ Working, Royalty or Overriding Royalty Interest Owners
 [B] ☐ Offset Operators, Leaseholders or Surface Owner
 [C] ☐ Application is One Which Requires Published Legal Notice
 [D] ☐ Notification and/or Concurrent Approval by BLM or SLO
U.S. Bureau of Land Management - Commissioner of Public Lands, State Land Office
 [E] ☐ For all of the above, Proof of Notification or Publication is Attached, and/or,
 [F] ☐ Waivers are Attached

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

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

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

Print or Type Name

Signature

Title

Date

e-mail Address

AVRA OIL COMPANY
P.O. BOX 3193
MIDLAND, TX. 79702
PHONE: 915-682-4866
FAX: 915-682-4874

AVRA OIL COMPANY

FAX

To: David Catnach FROM: SAEED AFGHAHI
FAX: 505-476-3471 PAGES: (INCLUDING COVER SHEET) 4
PHONE: 505-476-3466 DATE: 5/20/04
RE: Application letter: Reports CC:
☐ URGENT ☒ FOR REVIEW ☐ PLEASE COMMENT ☒ PLEASE REPLY ☐ PLEASE RECYCLE

• COMMENTS: _____

AVRA OIL COMPANY



RECEIVED

MAY 24 2004

Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, N.M. 87505

Oil Conservation Division
1220 S. Saint Francis Drive
Santa Fe, NM 87505

ATTN: David Catnach

Re: Application to Injection Increase.

Pursuant to our conversation on the 5/20/2004, upon your request enclosed please find the frac analysis on Williams #1 and #2. I hope these frac pressures will convince you to increase injection pressure to 2100 psi.

Should you reconsider, please let me know.

Thank you for your consideration and cooperation.

Sincerely,
Saeed Afghahi

SA/aw
enclosure



AMERICAN ENERGY SERVICES

Treatment Report

Date 11-9-98 District midland Job No. 1120 Customer Aura Oil
 Well Name Williams #1 Lease Williams #1 Field N. Hobbs Location Hobbs N. Mex
 County Lee State N. Mex Stage number _____

WELL DATA				Other Well Data	
Formation	<u>Queen Sand</u>	TD	<u>4252</u>	PB	
Casing Size	<u>4.50</u>	Wt.	<u>19.5</u>	Set From/To	
Liner Size		Wt.		Set From/To	
Tubing Size	<u>2 3/8</u>	Wt.	<u>4.7</u>	Set at	
Packer Type		Set at	<u>4015</u>		
No. of Perfs	<u>20</u>	Perf Size	<u>.42</u>	Interval	<u>4101 - 4110</u>

TREATMENT DATA				Capacities and Total Liquid/Gas Pumped	
Job Type (Frac/Acid/Other)	<u>Frac</u>	Foam (Y/N)	<u>N</u>		
Pad Type	<u>Ambor 1030</u>	Pad Volume	<u>71.4</u>		
Base Fluid Type	<u>Ambor 1030</u>	Base Fluid Vol.	<u>136</u>		
Foam Quality	_____%	Mitchell or CIP			
Prop Types	<u>Beady</u>	Prop Mesh	<u>20/40</u>	Prop Quantity	<u>17691</u>
Treat Via	<u>Tubing</u>	<u>(Tubing) / Casing / Annulus / Tubing & Annulus</u>			
Hole Loaded With					
Procedure Summary				<u>Pad 71.4 bbl 1" 20/40 25 bbl - 2" 20/40 39 bbl</u> <u>3" 20/40 54 bbl 4" 20/40 56 bbl</u> <u>Flush 20 bbl Slits H2O</u>	

Time	Treating Pressure (psi)		Slurry Rate	Surface Slurry BBLS.		CO2 or N2 Rate	Surface CO2 or N2		Comments
AM/PM	STP	Annulus	BPM	Stage	Total	BPM or SCFM	Stage	Total	
0600									On Location Safety meeting
0905		294			20				Leak Pressure Ann
0934	5000								Test Lines
0936	500		1.9		16				Kill TBC
1004		453	5.4	21	0				Start Pad
1006			4.8		8				Hole loaded
1007	1909	550			16				Pad on
1017	2267	380	4.6	25	60				Start 1" 20/40 Sand
1021	2900	300	4.4	38	76				1" Sand on
1023	2942	296	4.6	39	85				Start 2" 20/40 Sand
1026	2829	277	4.6		101				2" Sand on
1031	2801	257	4.6	35	124				Start 3" 20/40 Sand
1034	2854	252	4.6		140				3" Sand on
1039	2828	334	4.7	56	159				Start 4" 20/40 Sand
1042	2285	381	4.7		175				4" Sand on
1052	3045	467	4.6	17	219				Cut sand start Flush
1058	2430								5 min Flush INJSP
1100	2350								15 min
1105	2330								10 min
1110	2302								15 min

Treating Pressure: Minimum 1909 Maximum 3045 Average 2823
 Treating Rate: Minimum 4.6 Maximum 4.9 Average 4.6
 I.S.D.P. 2430 Final Shut-in Pressure 2302 in 15 Minutes
 Operators Maximum Pressure 5000
 Customer Rep. M.B. Sayward & Assoc. American Energy Services Rep. Ilona White



AMERICAN ENERGY SERVICES

Treatment Report

Date 11-9-98 District midland Job No. 1119 Customer Auro Oil
Well Name Williams #1 Lease Williams #2 Field Hobbs Location Hobbs NM Mexico
County Lea State NM Stage number

WELL DATA		Other Well Data	
Formation	<u>Queen sand</u>	TD	<u>4252</u>
Casing Size	<u>5 1/2</u>	Wt.	<u>15.5</u>
Liner Size	<u> </u>	Set From/To	<u> </u>
Tubing Size	<u>2 3/8</u>	Wt.	<u>4.7</u>
Packer Type	<u> </u>	Set at	<u>4000</u>
No. of Perfs	<u>20</u>	Perf Size	<u>42</u>
		Interval	<u>4092 - 4102</u>

TREATMENT DATA		Capacities and Total Liquid/Gas Pumped	
Job Type (Frac/Acid/Other)	<u>Frac</u>	Foam (Y/N)	<u>NO</u>
Pad Type	<u>Anchor 1030</u>	Pad Volume	<u>71.4 BBL</u>
Base Fluid Type	<u>Anchor 1030</u>	Base Fluid Vol.	<u>101 BBL</u>
Foam Quality	<u> </u> %	Mitchell or CIP	<u> </u>
Prop Types	<u>Brady</u>	Prop Mesh	<u>2440</u>
Treat Via	<u>Tubing</u>	Prop Quantity	<u> </u>
Hole Loaded With	<u> </u>	(Tubing / Casing / Annulus / Tubing & Annulus)	<u> </u>
Procedure Summary	<u>Pad 71.4 bbl - 1" 20/40 = 35 bbl</u>		
	<u>7" 2440 = 39 bbl 7" 20/40 54 bbl 4" 20/40</u>		
	<u>56 bbl 11.2 bbl 20 bbl 51.2 bbl 11.2 bbl</u>		
	<u> </u>		

Time	Treating Pressure (psi)		Slurry Rate	Surface Slurry BBLs		CO2 or N2 Rate	Surface CO2 or N2		Comments
AM/PM	STP	Annulus	BPM	Stage	Total	BPM or SCFM	Stage	Total	
11:20									Anchor 1030 / 5000
12:46		372			14				Pressure Annulus
12:56	5006								Test Lines
12:59		222	6	12	22				Start Pad
14:13	16.73		5		14				Wellbore
14:18	2645	142	5.5	25	72				Start 1" 20/40 sand
14:18	2065	138	5.3		88				Start 2" 20/40 sand
14:18	2718	138	5.3	39	98				Start 3" 20/40 sand
14:20	2802	140	5.2	54	115				Start 4" 20/40 sand
14:21	2791	151	5.3	137					Start 5" 20/40 sand
14:21	2810	168	5.4		164				Start 6" 20/40 sand
14:29	2810	172	5.4		160				Start 7" 20/40 sand
14:32	2194	175	5.8	17	173				Start Flush
14:36	2123	178							Flush IN 3 SP
14:41	1933	181							5 min
14:46	1882	185							10 min
14:52	1824	190							15 min

Treating Pressure: Minimum 1623 Maximum 2810 Average 2773
Treating Rate: Minimum 5.3 Maximum 5.8 Average 5.5
I.S.D.P. 2123 Final Shut-in Pressure 1824 in 15 Minutes
Operators Maximum Pressure 5000
Customer Rep. Mr. Sayeed Afghani American Energy Services Rep. Tyron White