

4/25/08 DATE IN	SUSPENSE	W Jones ENGINEER	4/25/08 LOCATED IN	IPI TYPE	PKV R0811628292 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]
 [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.

Brenda Waller
 Print or Type Name

Brenda Waller
 Signature

Mgr of Reg. & Compliance 4/24/08
 Title Date

Brenda - Waller @xtocenergy.com
 e-mail Address

RECEIVED
 2008 APR 25 AM 7 32



April 17, 2008

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

Attn: Mr. William Jones

Re: Injection Pressure Increase
Stanolind Gas Com SWD #1
Administrative Order SWD - 878
Sec 17, T32 N, R12W, San Juan Co., NM
API# 30-045-23779

(7062) (7338)
(7174) (7458)
BLWTF/ENTRADA

RECEIVED
2008 APR 23 PM 2 03

(OUT J)

Dear Mr. Jones,

The results of the Step Rate Test for the Stanolind Gas Com SWD #1 conducted on December 8th, 2006 are attached.

The injection rate vs. bottom hole pressure indicates that a bottom hole pressure of 4,375 psig is required to fracture the reservoir, which results in a surface treating pressure of 2,508 psig.

The ISIP after a fracture stimulation treatment indicated that a bottom hole pressure of 4,335 psig is required to fracture the reservoir, this corresponds to a surface treating pressure of 2,467 psig.

Based on the fracture pressure determine for this well, XTO requests that the approved injection pressure limit, which is currently 1,380 psig, be increased to 2,400 psig.

0.34 GRADIENT

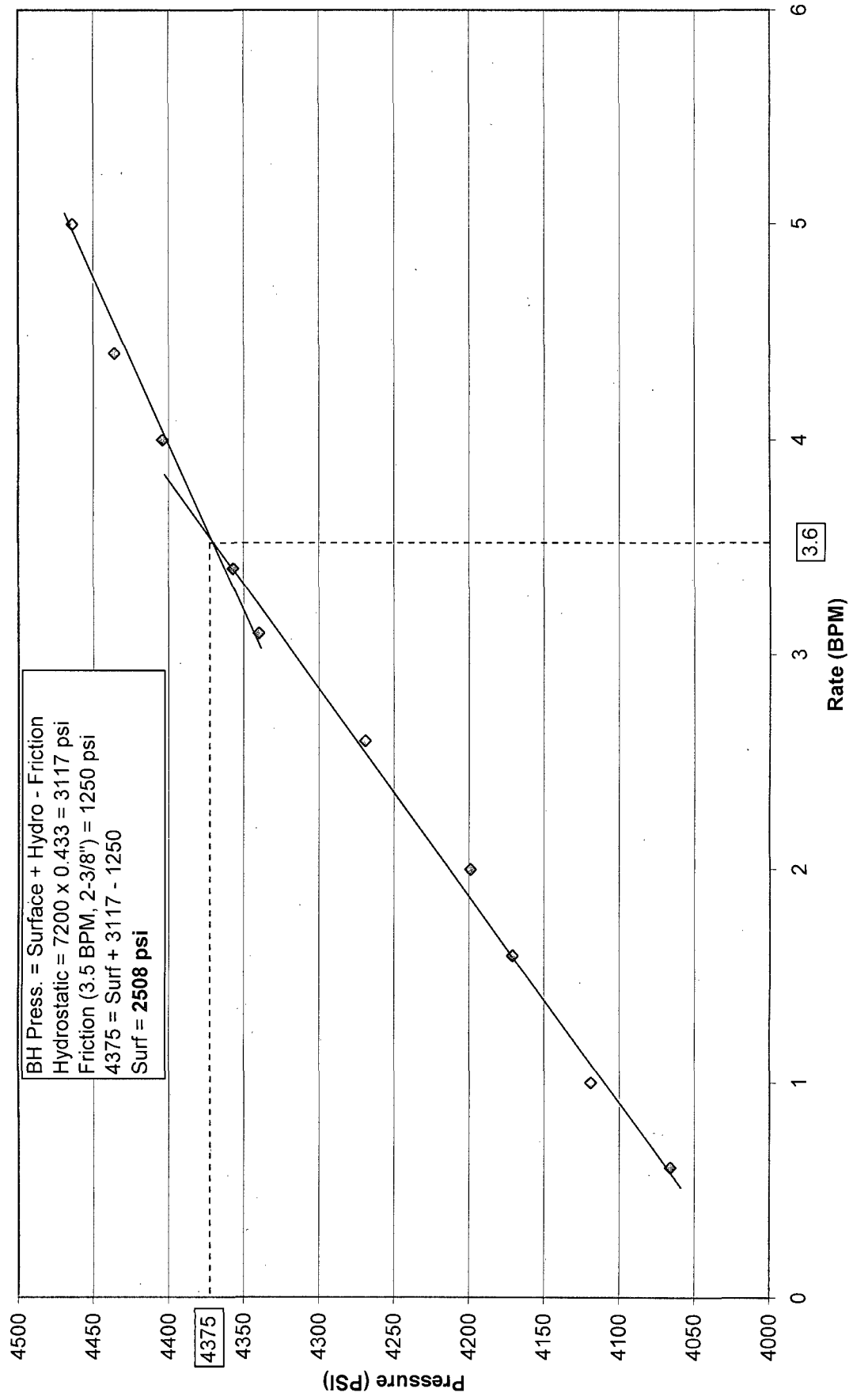
If you have any questions, please contact me at 505-333-3179.

Sincerely,
XTO Energy

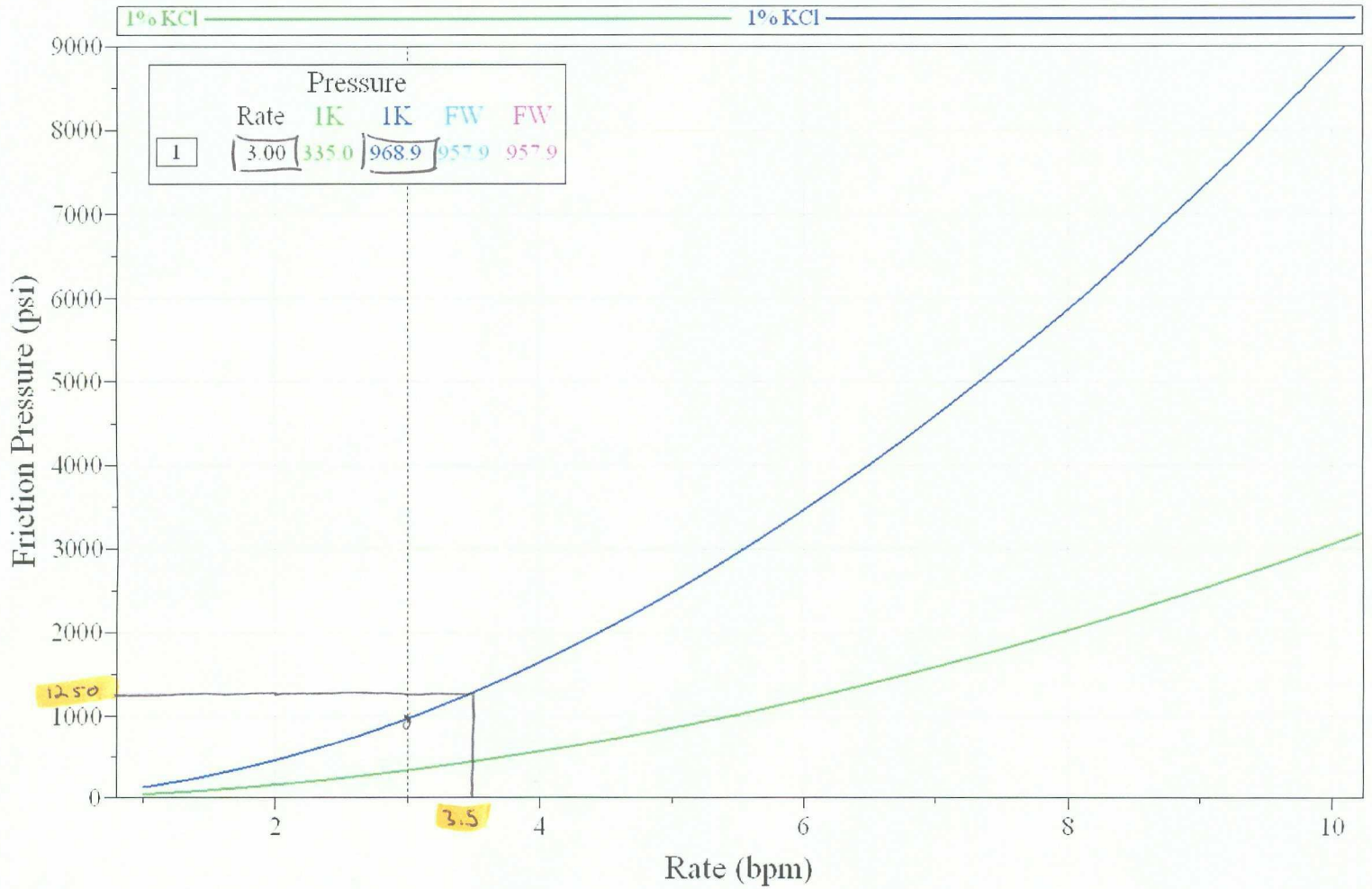
Cullin Johnson
Operations Engineer

8/23/04 Started inj.

Stanolind SWD #1



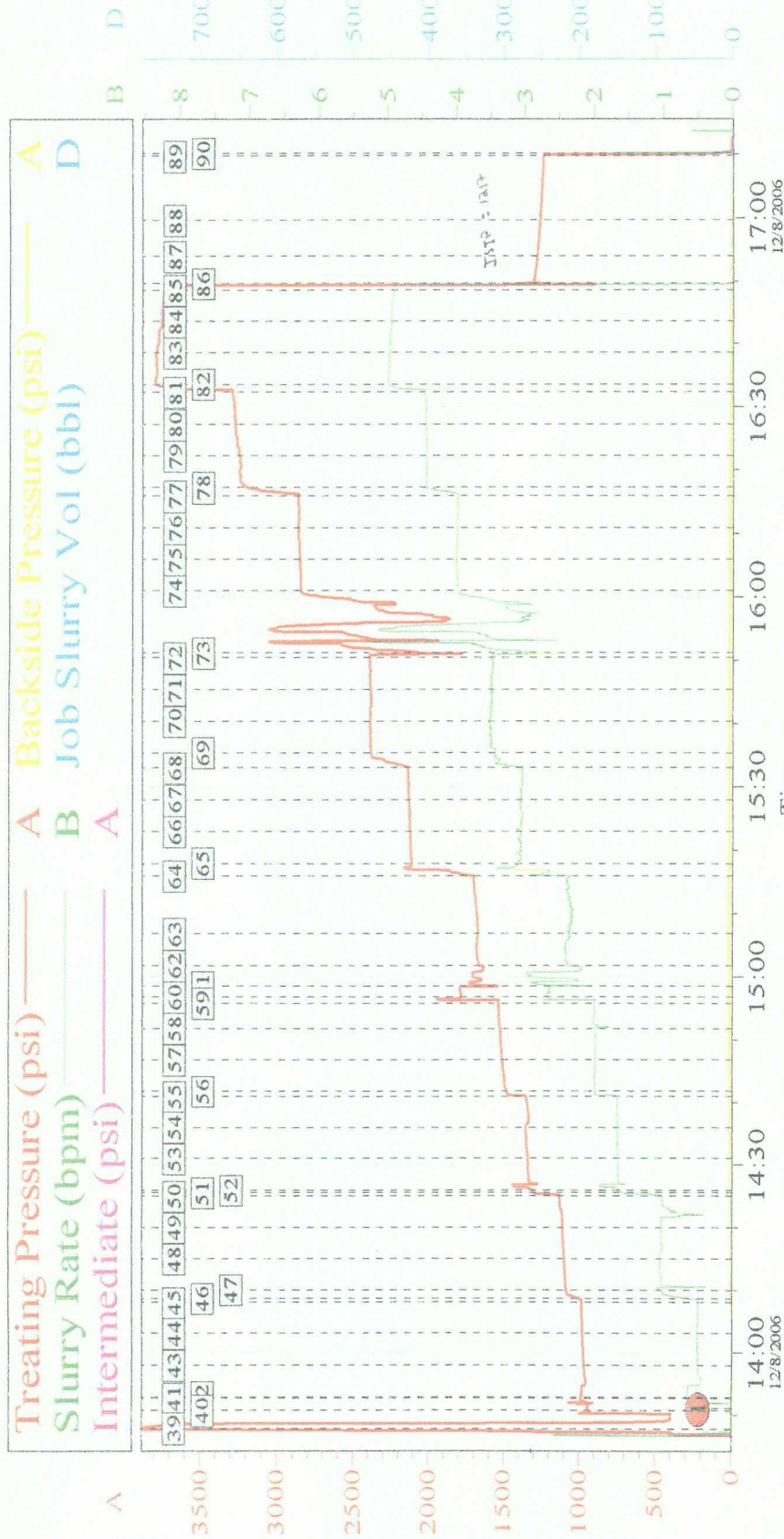
Friction Pressure



HALLIBURTON

XTO Energy Inc
STANOLIND GC SWD #1 Stage 1
XTO Stanolind GC SWD #1 Step Rate Test

5.6 STEP RATE TEST (.5-5bpm)



Customer:	XTO Energy Inc	Job Date:	08-Dec-2006	Sales Order #:	4795863
Well Description:	STANOLIND GC SWD #1	UWI:	30-045-23779		

4.3 ISIP

Time	Description	Treating Pressure psi
16:49:40		1217
16:53:57		1217
16:59:40		1217
17:09:46		1217

ISIP = 1217
Mid Perf = 7200
Hydrostatic = $7,200 * 0.433 = 3117.6$
BHP = $1217 + 3117.6 = 4334.6$

4334 = Surf + 3117 - 1250
Surf = $4334 - 3117 + 1250 = 2467$ psig

XTO Energy Inc
STANOLIND GC SWD
#1, NM

Shut Rate Test

STANOLIND GC SWD #1

Interval 1

San Juan County, New Mexico

Sales Order: 4795863

Post Job Report

For: Jimmy Tunnell

Date: Friday, December 08, 2006

Notice: Although the information contained in this report is based on sound engineering practices, the copyright owner(s) does (do) not accept any responsibility whatsoever, in negligence or otherwise, for any loss or damage arising from the possession or use of the report whether in terms of correctness or otherwise. The application, therefore, by the user of this report or any part thereof, is solely at the user's own risk.

HALLIBURTON

2.0 WELL INFORMATION**2.1 Customer Information**

Customer	XTO Energy Inc
Sales Order	4795863
Well Name	STANOLIND GC SWD
Interval	1
Well Number	#1
Start Time	08-Dec-06 07:09:25
County	San Juan
State	New Mexico
UWI/API	30-045-23779
Country	United States of America
H2S Present	Unknown
CO2 Present	No
Customer Representative	Jimmy Tunnell
Halliburton Representative	Donald Moats

2.2 Pipe Information

Equipment	Top MD ft	Bottom MD ft	OD in	ID in	Weight lb/ft
Tubing	0.0	7010.0	2.375	1.995	4.60
Casing	0.0	7572.0	4.500	4.052	10.50
Surface Pipe	0.0	70.0	2.620	1.870	

2.3 Perforation Intervals

Top MD ft	Bottom MD ft	Number of Shots	Perf Density spf	Perf Formation
7062.0	7112.0	0	-0.0	Perforation Interval
7124.0	7174.0	0	-0.0	Perforation Interval
7338.0	7458.0	481	4.0	Perforation Interval

4.0 PERFORMANCE HIGHLIGHTS

4.1 Job Summary

Start Time	13:51:08	
End Time	17:16:23	
Time	205.25	min
Pump Time	178.01	min
Max Treating Pressure	3803	psi
Avg Treating Pressure	2112	psi
Avg Clean Rate	0.6	bpm
Clean Volume	4279	gal
Max Slurry Rate	5.3	bpm
Avg Slurry Rate	2.9	bpm
Slurry Volume	21572	gal
Max WH Rate	5.3	bpm
Avg WH Rate	2.8	bpm
WH Volume	20841	gal
Avg HHP	149	hp
BH Max Treating Pressure	4784	psi
BH Avg Treating Pressure	4262	psi
BH Max Rate	5.3	bpm
BH Avg Rate	2.7	bpm
BH Slurry Volume	21075	gal
BH Clean Volume	21075	gal
Load to Recover	4279	gal

4.2 Job Event Log

Time	Description	Comment	Slurry Rate bpm	Stg Slurry Vol gal	Treating Pr psi	Hydr Power hp	Backside Pr psi
04:45:27	Safety Meeting - Service Center or other Site						
06:05:44	Arrive at Location from Service Center						
06:17:52	Assessment Of Location Safety Meeting						
06:45:01	Safety Meeting - Pre Rig-Up						
07:28:08	Start Job	Starting Job	0.0	0	-3773	0	-3748
07:28:08	Next Treatment	Treatment Interval 1	0.0	0	-3773	0	-3748
07:28:16	Pause	Suspending Job	0.0	0	0	0	-3748
09:20:33	Resume	Resuming Job	0.0	0	-3773	0	-3748
09:20:53	Open Valve Surface	OPEN Annulas	0.0	0	-2	0	6
09:26:14	Prime Pumps		0.0	0	0	0	19
09:29:46	Prime Pumps		6.4	290	68	0	22
09:31:58	Pause	Suspending Job	0.0	426	0	0	24
09:40:00	Start Wait on Customer or Contractor Sub-Equipment	Valve Leaking Prod. Side Of WellHead	0.0	426	0	0	24
09:45:23	Resume	Resuming Job	0.0	426	2	0	26
11:12:15	Other	Open Brading Head	0.0	427	-7	0	31
11:29:49	Other	RECAL BACKSIDE PSI	0.0	427	-11	0	5
11:34:22	Open Valve Downhole	2" LoTORC	0.0	436	926	0	-1
11:35:11	Other	OPEN BRADING	0.0	436	931	0	-1
11:44:24	Monitor Pressure	TBG	0.0	436	926	0	-2
11:56:24	Monitor Pressure		0.0	436	924	0	-4
11:59:22	Close Valve Surface	2" LO TORC	0.0	436	924	0	-4
12:00:21	Release Tubing Pressure	HES LINES	0.0	437	351	0	-5
12:04:22	Test Lines	HES LINES	0.0	451	4879	0	-6

Time	Description	Comment	Slurry Rate bpm	Stg Slurry Vol gal	Treating Pr psi	Hydr Power hp	Backside Pr psi
12:29:00	Other	OPEN TBG	0.0	522	907	0	0
12:32:16	Other	open annulas	0.0	522	934	0	1
12:32:32	Other	load annulas	2.9	525	934	0	2
12:32:53	Record Pressure	20MIN	1.6	555	934	0	125
12:36:20	Record Pressure	Start MIT TEST	0.0	566	933	0	586
12:41:20	Record Pressure	5MIN	0.0	566	932	0	578
12:46:20	Record Pressure	10 MIN	0.0	566	932	0	579
12:51:20	Record Pressure	15MIN	0.0	566	932	0	581
12:56:07	Pressure Up	ANNULAS	0.0	566	932	0	585
13:01:21	Record Pressure	25MIN	0.0	566	931	0	587
13:06:21	Record Pressure	30MIN	0.0	566	930	0	591
13:29:48	Other	TEST INTERMEDIATE	0.0	665	927	0	574
13:35:11	Other	END TEST INTERMEDIATE	0.0	665	926	0	570
13:39:14	Other	2" LO-TORC CLOSED	0.0	698	926	0	0
13:39:29	Other	REMOVE TRANSDUCER	0.0	698	778	0	0
13:40:12	Other	RIG UP TO LUBERCATOR	0.0	698	-9	0	0
13:48:03	Test Lines	RE-TEST HES LINES @ 3500psi	0.0	731	3903	0	0
13:50:50	Other	OPEN WELL HEAD	0.0	731	941	0	3
13:51:07	Stage 1	Other	0.0	731	942	0	3
13:52:46	Establish Rate		0.6	16	991	15	3
13:53:00	Other	START STEP RATE TEST	0.6	22	987	15	3
13:58:00	Other	5MIN @ .5bpm	0.5	132	968	12	-2
14:03:00	Other	10MIN @ .5bpm	0.5	235	977	12	-0
14:08:00	Other	15MIN @ .5bpm	0.5	338	984	12	2
14:08:38	Establish Rate		0.6	352	1001	15	2
14:10:00	Start Step Rate	@ 1bpm	1.0	404	1086	26	2
14:15:00	Other	5MIN @ 1bpm	1.0	614	1099	28	4
14:20:00	Other	10MIN @ 1bpm	1.0	827	1110	28	6
14:25:00	Other	15MIN @ 1bpm	1.0	1024	1129	28	8
14:25:33	Establish Rate		1.5	1052	1299	49	9
14:26:00	Start Step Rate	@ 1.6bpm	1.6	1082	1309	52	9
14:31:00	Other	5 MIN @ 1.6bpm	1.6	1430	1342	54	10
14:36:00	Other	10MIN @ 1.6bpm	1.6	1777	1354	55	12
14:41:01	Other	15MIN @ 1.6bpm	1.7	2123	1353	55	13
14:41:50	Start Step Rate	@ 2bpm	2.0	2188	1486	72	13
14:46:50	Other	5MIN @ 2bpm	2.0	2603	1512	73	15
14:51:50	Other	10MIN @ 2bpm	2.0	3017	1529	74	15
					1534		

Time	Description	Comment	Slurry Rate bpm	Stg Slurry Vol gal	Treating Pr psi	Hydr Power hp	Backside Pr psi
14:55:51	Other	15MIN @ 2bpm	2.0	3351	1536	75	17
14:56:49	Start Step Rate		2.6	3444	1787	115	17
14:58:32	Establish Rate	RE ADJUSTING RATE	2.1	3635	1558	82	17
15:01:49	Other	5min @ 2.5bpm	2.4	3985	1655	96	17
15:06:49	Other	10MIN @ 2.5bpm	2.4	4488	1676	97	19
15:15:53	Other	20 @ 2.5bpm	2.4	5383	1701	98	20
15:17:56	Start Step Rate	@ 3bpm	3.1	5636	2117	163	21
15:22:56	Other	5min @ 3bpm	3.1	6279	2121	159	21
15:27:55	Other	10min @ 3bpm	3.0	6919	2133	159	21
15:32:59	Other	15MIN @ 3bpm	3.0	7568	2137	159	21
15:35:20	Start Step Rate	@ 3.5bpm	3.4	7900	2385	202	21
15:40:20	Other	5MIN @ 3.5bpm	3.5	8631	2390	206	21
15:45:23	Other	10MIN @ 3.5bpm	3.5	9372	2386	204	21
15:50:25	Other	15 @ 3.5bpm	3.5	10111	2395	205	21
15:51:13	Establish Rate	BROUGHT ON 2nd PUMP	2.9	10220	2068	145	21
16:00:59	Start Step Rate	@ 4bpm	4.0	11710	2847	277	21
16:05:59	Other	5MIN @ 4bpm	4.0	12548	2855	280	21
16:10:54	Other	10MIN @ 4bpm	4.0	13375	2867	280	19
16:15:54	Other	15min @ 4bpm	4.0	14212	2863	279	19
16:17:14	Start Step Rate		4.4	14446	3190	347	18
16:22:14	Other	5Min @ 4.5bpm	4.4	15374	3242	352	17
16:27:14	Other	10min @ 4.5bpm	4.4	16307	3277	357	15
16:32:23	Other	15MIN @ 4.5bpm	4.5	17269	3294	360	13
16:33:37	Start Step Rate		5.0	17518	3791	463	13
16:38:38	Other	5min @ 5bpm	5.0	18565	3791	462	13
16:43:35	Other	10min @ 5bpm	4.9	19596	3759	455	11
16:48:36	Other	15min @ 5bpm	4.9	20636	3735	450	9
16:49:40	ISIP		0.1	20828	1217	2	8
16:53:57	Shut-In Pressure @ 10 Minutes		0.0	20828	1284	0	6
16:59:40	Shut-In Pressure @ 5 Minutes		0.0	20828	1266	0	3
17:09:46	Shut In Well		0.0	20828	1241	0	-4
17:10:12	Release Tubing Pressure	HES LINES	0.1	20828	135	0	-5
17:16:23	End Job	Ending Job	0.0	20840	-0	0	-7



PRESSURE GAUGE DATA

Company: XTO Energy, Inc.

Well Name: Stanolind Gas Com #1 SWD

Date: December 8, 2006

Pressure Test Report

COMPANY INFORMATION

Company Name	XTO ENERGY, INC.
Representative	JODY CORNELL
Phone	324-1090
Fax	
Address	2700 FARMINGTON AVE., BLDG K SUITE 1 FARMINGTON, NM 87401
E-Mail Address	PHOENIXSERVICES@ZIANET.COM
Service Company	PHOENIX SERVICES, LLC

WELL INFORMATION

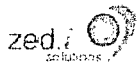
Well Name	STANOLIND GAS COM 1 SWD
Well Location	T32N, R12W, SEC. 17
Field and Pool	SWD MORRISON BLUFF ENTRADA
Status (Oil, Gas, Water, Injection)	GAS
Perforated Intervals	7062-7458
Mid-point of Perforated Intervals (MPP)	
Drilling Rig Number	
Elevations	
Kelly Bushing (KB)	11
Casing Flange (CF)	
KB-CF	6034
Ground Level	6023
Plug Back Total Depth	7528
Total Depth	7576
Production Casing	4 1/2 TO 7572
Production Tubing	2 3/8 TO 7017

TEST INFORMATION

Type of Test	INJECTION/FALLOFF
Date(s) of Test	12/8/06
Dead-weight Gauge Tubing Pressure	
Dead-weight Gauge Casing Pressure	
Shut-in Date (Duration)	
Date / Time on Bottom	12/8/06 @ 114 HRS
Date / Time off Bottom	12/8/06 @ 1725 HRS
Probe Serial Number	5346
Probe Offset from End of Tool String	
Run Depth at Probe Pressure Port	7375

PRESSURE TEST RESULTS

Maximum Recorded Probe Pressure	4478.2 psig
Maximum Recorded Probe Temperature	193.4 deg F
Final Buildup Pressure	
Gradient Survey Information	
Extrapolated Pressure to MPP	
Final Gradient at Depth	
Job Number	



Company Name XTO ENERGY, INC.
Well Name STANOLIND GAS COM 1 SWD
Type of Test INJECTION/FALLOFF
Date(s) of Test 12/8/06



PROBE INFORMATION

Probe Serial Number 5346
Model 5346
Pressure
 Calibrated Pressure Range 0-12,000
 Accuracy
 Resolution
Temperature
 Calibrated Temperature Range
 Accuracy
 Resolution
Calibration File Used for Reports

PROGRAMMING DETAILS

<u>Step</u>	<u>Sample Mode</u>	<u>Period</u>	<u>Duration</u>	<u>Comment</u>
-------------	--------------------	---------------	-----------------	----------------

Program Start Time
Program End Time
Total Samples Taken
Usage for this Test
Generic Data File Name



Company Name	XTO ENERGY, INC.
Well Name	STANOLIND GAS COM 1 SWD
Type of Test	INJECTION/FALLOFF
Date(s) of Test	12/8/06

4.3
247

COMMENTS

Reported By

PHOENIX SERVICES, LLC

RU PUMPING TEE-RAN TANDEM BHP GAUGES (9565, 5346) TO 7395'-SET DOWN-PULLED UP TO 7375'-PRESSURE TESTED LUBRICATOR & PUMPING TEE-SIDE VALVE LEAKING-POOH-CHANGED SIDE VALVE-STARTED IN HOLE @ 1016 HRS-ON BOTTOM @ 1114 HRS-PRESSURE TEST CSG FROM 1230-1300 HRS @ 587 PSI-EST RATE OF 0.6 BPM @ 1351 HRS-STOPPED PUMPING @ 1648 HRS-LET WELL DRAW DOWN 30 MIN-POOH W/BHP GAUGES-RD PUMPING TEE.



Company Name XTO ENERGY, INC.
Well Name STANOLIND GAS COM 1 SWD
Type of Test INJECTION/FALLOFF
Date(s) of Test 12/8/06



Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2006/12/08	08:56:05	0.0000	0.000	51.294
2006/12/08	08:58:05	0.0333	0.000	48.299
2006/12/08	09:00:05	0.0667	0.000	47.905
2006/12/08	09:02:05	0.1000	0.000	50.211
2006/12/08	09:04:05	0.1333	0.000	51.894
2006/12/08	09:06:05	0.1667	0.000	52.210
2006/12/08	09:08:05	0.2000	0.000	52.353
PRESSURE TESTED LUB & TEE				
2006/12/08	09:09:11	0.2183	952.353	50.374
2006/12/08	09:10:05	0.2333	0.000	47.410
2006/12/08	09:12:05	0.2667	0.000	48.430
2006/12/08	09:14:05	0.3000	0.000	48.367
2006/12/08	09:16:05	0.3333	0.000	48.427
2006/12/08	09:18:05	0.3667	1.260	49.959
2006/12/08	09:20:05	0.4000	1001.085	61.995
2006/12/08	09:22:05	0.4333	1213.277	69.040
2006/12/08	09:24:05	0.4667	1447.836	80.199
2006/12/08	09:26:05	0.5000	1718.631	94.429
2006/12/08	09:28:05	0.5333	1953.878	104.614
2006/12/08	09:30:05	0.5667	2132.221	113.005
2006/12/08	09:32:05	0.6000	2491.796	125.265
2006/12/08	09:34:05	0.6333	2868.196	139.735
2006/12/08	09:36:05	0.6667	3242.384	154.357
2006/12/08	09:38:05	0.7000	3608.462	176.992
2006/12/08	09:40:05	0.7333	3889.865	160.549
2006/12/08	09:42:05	0.7667	4049.921	184.424
ON BOTTOM @ 7375'				
2006/12/08	09:42:37	0.7756	4053.327	184.244
2006/12/08	09:44:05	0.8000	4058.052	184.134
2006/12/08	09:46:05	0.8333	4060.219	184.111
2006/12/08	09:48:05	0.8667	4060.880	184.122
2006/12/08	09:50:05	0.9000	4060.972	184.114
2006/12/08	09:52:05	0.9333	4060.977	184.050
2006/12/08	09:54:05	0.9667	4061.001	183.999
2006/12/08	09:56:05	1.0000	4060.964	183.999
2006/12/08	09:58:05	1.0333	4060.857	183.979
2006/12/08	10:00:05	1.0667	4060.810	183.990
2006/12/08	10:02:05	1.1000	4060.758	183.985
2006/12/08	10:04:05	1.1333	4060.644	183.981
2006/12/08	10:06:05	1.1667	4060.571	183.983
2006/12/08	10:08:05	1.2000	4060.483	183.985
2006/12/08	10:10:05	1.2333	4060.395	183.990
2006/12/08	10:12:05	1.2667	4060.279	183.965
2006/12/08	10:14:05	1.3000	4060.161	183.961
2006/12/08	10:16:05	1.3333	4060.091	183.954
2006/12/08	10:18:05	1.3667	3952.473	142.581
2006/12/08	10:20:05	1.4000	3653.341	178.192
2006/12/08	10:22:05	1.4333	3267.114	157.222
2006/12/08	10:24:05	1.4667	2840.891	140.059
2006/12/08	10:26:05	1.5000	2337.540	122.110

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2006/12/08	10:28:05	1.5333	1710.328	96.039
2006/12/08	10:30:05	1.5667	1194.693	70.875
2006/12/08	10:32:05	1.6000	977.606	63.176
2006/12/08	10:34:05	1.6333	0.000	58.680
2006/12/08	10:36:05	1.6667	0.000	58.845
POOH-LEAKING VALVE				
2006/12/08	10:37:45	1.6944	0.000	55.440
2006/12/08	10:38:05	1.7000	0.000	55.609
2006/12/08	10:40:05	1.7333	0.000	57.976
2006/12/08	10:42:05	1.7667	0.000	58.149
2006/12/08	10:44:05	1.8000	0.000	58.190
2006/12/08	10:46:05	1.8333	0.000	58.170
2006/12/08	10:48:05	1.8667	0.000	58.168
2006/12/08	10:50:05	1.9000	0.000	58.116
2006/12/08	10:52:05	1.9333	0.000	58.057
2006/12/08	10:54:05	1.9667	0.000	57.767
2006/12/08	10:56:05	2.0000	949.222	62.631
2006/12/08	10:58:05	2.0333	1097.786	65.856
2006/12/08	11:00:05	2.0667	1425.349	79.597
2006/12/08	11:02:05	2.1000	1797.251	97.592
2006/12/08	11:04:05	2.1333	2180.016	115.045
2006/12/08	11:06:05	2.1667	2578.633	128.716
2006/12/08	11:08:05	2.2000	2977.493	145.256
2006/12/08	11:10:05	2.2333	3366.033	161.665
2006/12/08	11:12:05	2.2667	3746.491	180.716
ON BOTTOM @ 7395'				
2006/12/08	11:13:35	2.2917	4049.413	190.209
2006/12/08	11:14:05	2.3000	4048.639	184.672
2006/12/08	11:16:05	2.3333	4056.688	184.703
2006/12/08	11:18:05	2.3667	4058.963	184.757
2006/12/08	11:20:05	2.4000	4059.666	184.728
2006/12/08	11:22:05	2.4333	4059.959	184.568
2006/12/08	11:24:05	2.4667	4060.045	184.633
2006/12/08	11:26:05	2.5000	4060.113	184.737
2006/12/08	11:28:05	2.5333	4060.166	184.726
2006/12/08	11:30:05	2.5667	4060.208	184.739
2006/12/08	11:32:05	2.6000	4060.210	184.674
2006/12/08	11:34:05	2.6333	4058.629	184.663
2006/12/08	11:36:05	2.6667	4059.242	184.678
2006/12/08	11:38:05	2.7000	4059.472	184.624
2006/12/08	11:40:05	2.7333	4059.588	184.653
2006/12/08	11:42:05	2.7667	4059.679	184.572
2006/12/08	11:44:05	2.8000	4059.711	184.586
2006/12/08	11:46:05	2.8333	4059.735	184.599
2006/12/08	11:48:05	2.8667	4059.793	184.613
2006/12/08	11:50:05	2.9000	4059.842	184.606
2006/12/08	11:52:05	2.9333	4059.836	184.622
2006/12/08	11:54:05	2.9667	4059.845	184.572
2006/12/08	11:56:05	3.0000	4059.833	184.577
2006/12/08	11:58:05	3.0333	4059.951	184.559



Company Name XTO ENERGY, INC.
Well Name STANOLIND GAS COM 1 SWD
Type of Test INJECTION/FALLOFF
Date(s) of Test 12/8/06

4.5

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2006/12/08	12:00:05	3.0667	4059.796	184.570
2006/12/08	12:02:05	3.1000	4059.801	184.537
2006/12/08	12:04:05	3.1333	4059.913	184.555
2006/12/08	12:06:05	3.1667	4059.841	184.545
2006/12/08	12:08:05	3.2000	4059.914	184.509
2006/12/08	12:10:05	3.2333	4059.903	184.503
2006/12/08	12:12:05	3.2667	4059.883	184.494
2006/12/08	12:14:05	3.3000	4059.894	184.487
2006/12/08	12:16:05	3.3333	4059.917	184.473
2006/12/08	12:18:05	3.3667	4059.887	184.476
2006/12/08	12:20:05	3.4000	4059.938	184.433
2006/12/08	12:22:05	3.4333	4059.853	184.449
2006/12/08	12:24:05	3.4667	4059.906	184.433
2006/12/08	12:26:05	3.5000	4059.850	184.415
2006/12/08	12:28:05	3.5333	4059.781	184.410
2006/12/08	12:30:05	3.5667	4059.849	184.406
2006/12/08	12:32:05	3.6000	4059.863	184.410
2006/12/08	12:34:05	3.6333	4059.836	184.393
2006/12/08	12:36:05	3.6667	4059.873	184.390
2006/12/08	12:38:05	3.7000	4059.809	184.368
2006/12/08	12:40:05	3.7333	4059.779	184.361
2006/12/08	12:42:05	3.7667	4059.788	184.359
2006/12/08	12:44:05	3.8000	4059.768	184.365
2006/12/08	12:46:05	3.8333	4059.725	184.361
2006/12/08	12:48:05	3.8667	4059.710	184.350
2006/12/08	12:50:05	3.9000	4059.716	184.343
2006/12/08	12:52:05	3.9333	4059.668	184.347
2006/12/08	12:54:05	3.9667	4059.664	184.338
2006/12/08	12:56:05	4.0000	4059.737	184.341
2006/12/08	12:58:05	4.0333	4059.669	184.323
2006/12/08	13:00:05	4.0667	4059.629	184.320
2006/12/08	13:02:05	4.1000	4059.630	184.325
2006/12/08	13:04:05	4.1333	4059.627	184.327
2006/12/08	13:06:05	4.1667	4059.585	184.325
2006/12/08	13:08:05	4.2000	4059.652	184.320
2006/12/08	13:10:05	4.2333	4059.566	184.309
2006/12/08	13:12:05	4.2667	4059.554	184.305
2006/12/08	13:14:05	4.3000	4059.521	184.316
2006/12/08	13:16:05	4.3333	4059.515	184.318
2006/12/08	13:18:05	4.3667	4059.489	184.311
2006/12/08	13:20:05	4.4000	4059.475	184.309
2006/12/08	13:22:05	4.4333	4059.451	184.302
2006/12/08	13:24:05	4.4667	4059.444	184.305
2006/12/08	13:26:05	4.5000	4059.407	184.302
2006/12/08	13:28:05	4.5333	4059.494	184.289
2006/12/08	13:30:05	4.5667	4059.401	184.291
2006/12/08	13:32:05	4.6000	4059.416	184.289
2006/12/08	13:34:05	4.6333	4059.363	184.287
2006/12/08	13:36:05	4.6667	4059.337	184.293
2006/12/08	13:38:05	4.7000	4059.349	184.287

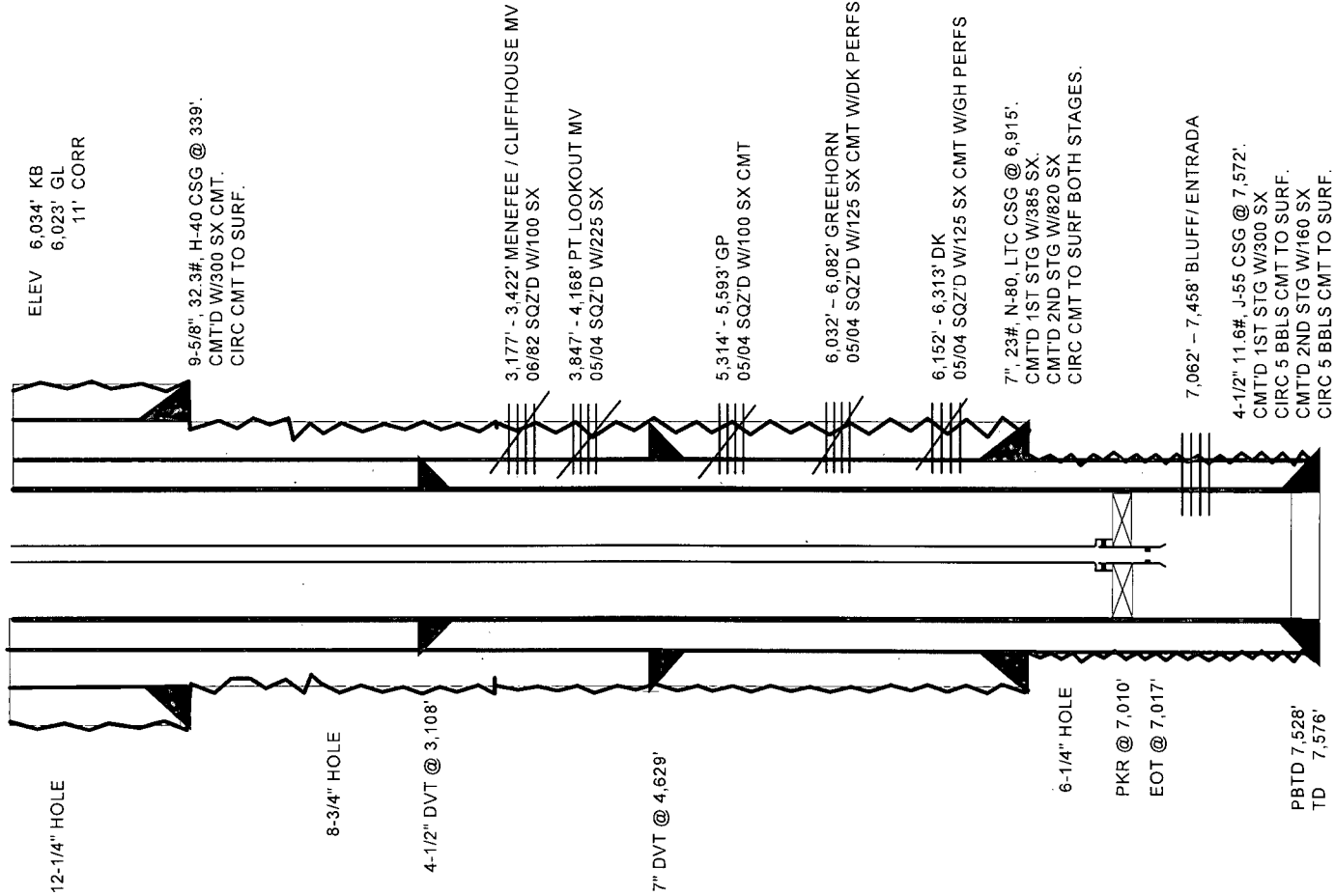
Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2006/12/08	13:40:05	4.7333	4059.316	184.278
2006/12/08	13:42:05	4.7667	4059.333	184.298
2006/12/08	13:44:05	4.8000	4059.295	184.296
2006/12/08	13:46:05	4.8333	4059.300	184.294
2006/12/08	13:48:05	4.8667	4059.257	184.300
2006/12/08	13:50:05	4.9000	4059.238	184.291
EST RATE @ 0.6 BPM				
2006/12/08	13:51:05	4.9167	4063.089	184.287
2006/12/08	13:52:05	4.9333	4070.539	184.282
0.4 BPM				
2006/12/08	13:54:05	4.9667	4075.344	184.287
0.5 BPM				
2006/12/08	13:55:05	4.9833	4076.319	184.282
2006/12/08	13:56:05	5.0000	4077.914	184.284
2006/12/08	13:58:05	5.0333	4080.639	184.278
2006/12/08	14:00:05	5.0667	4082.939	184.296
2006/12/08	14:02:05	5.1000	4085.001	184.305
2006/12/08	14:04:05	5.1333	4086.846	184.303
2006/12/08	14:06:05	5.1667	4088.521	184.294
0.6 BPM				
2006/12/08	14:07:17	5.1867	4089.383	184.291
1.0 BPM				
2006/12/08	14:08:05	5.2000	4095.866	184.285
0.7 BPM				
2006/12/08	14:09:05	5.2167	4101.703	184.291
1.0 BPM				
2006/12/08	14:10:05	5.2333	4105.568	184.291
2006/12/08	14:12:05	5.2667	4111.272	184.383
2006/12/08	14:14:05	5.3000	4115.903	184.451
2006/12/08	14:16:05	5.3333	4120.057	184.386
2006/12/08	14:18:05	5.3667	4123.722	184.370
2006/12/08	14:20:05	5.4000	4126.987	184.359
2006/12/08	14:22:05	5.4333	4130.659	184.336
1.5 BPM				
2006/12/08	14:24:01	5.4656	4134.023	184.456
2006/12/08	14:24:05	5.4667	4134.841	184.456
1.9 BPM				
2006/12/08	14:25:05	5.4833	4146.094	184.510
1.6 BPM				
2006/12/08	14:26:05	5.5000	4153.333	184.478
2006/12/08	14:28:05	5.5333	4161.518	184.404
2006/12/08	14:30:05	5.5667	4168.396	184.383
2006/12/08	14:32:05	5.6000	4174.504	184.383
2006/12/08	14:34:05	5.6333	4179.866	184.386
2006/12/08	14:36:05	5.6667	4184.791	184.383
2006/12/08	14:38:05	5.7000	4189.417	184.377
2.0 BPM				
2006/12/08	14:39:57	5.7311	4193.417	184.375
2006/12/08	14:40:05	5.7333	4195.108	184.372
2006/12/08	14:42:05	5.7667	4204.622	184.374



Company Name XTO ENERGY, INC.
Well Name STANOLIND GAS COM 1 SWD
Type of Test INJECTION/FALLOFF
Date(s) of Test 12/8/06

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2006/12/08	14:44:05	5.8000	4211.125	184.372
2006/12/08	14:46:05	5.8333	4216.847	184.392
2006/12/08	14:48:05	5.8667	4222.077	184.370
2006/12/08	14:50:05	5.9000	4226.847	184.383
2006/12/08	14:52:05	5.9333	4231.386	184.368
2006/12/08	14:54:05	5.9667	4235.652	184.381
2.7 BPM				
2006/12/08	14:55:13	5.9856	4237.896	184.386
2006/12/08	14:56:05	6.0000	4245.975	184.374
2.1 BPM				
2006/12/08	14:57:19	6.0206	4251.462	184.370
2006/12/08	14:58:05	6.0333	4252.529	184.374
3.0 BPM				
2006/12/08	14:59:37	6.0589	4256.127	184.368
2.4 BPM				
2006/12/08	15:00:01	6.0656	4256.000	184.384
2006/12/08	15:00:05	6.0667	4256.000	184.375
2006/12/08	15:02:05	6.1000	4260.556	184.372
2006/12/08	15:04:05	6.1333	4264.804	184.397
2006/12/08	15:06:05	6.1667	4268.417	184.408
2006/12/08	15:08:05	6.2000	4272.152	184.392
2006/12/08	15:10:05	6.2333	4275.774	184.401
2006/12/08	15:12:05	6.2667	4279.317	184.433
2006/12/08	15:14:05	6.3000	4282.882	184.469
2.8 BPM				
2006/12/08	15:14:45	6.3111	4283.951	184.426
3.1 BPM				
2006/12/08	15:15:45	6.3278	4288.754	184.410
2006/12/08	15:16:05	6.3333	4292.751	184.429
2006/12/08	15:18:05	6.3667	4301.324	184.536
2006/12/08	15:20:05	6.4000	4307.806	184.564
2006/12/08	15:22:05	6.4333	4313.433	184.532
2006/12/08	15:24:05	6.4667	4318.476	184.701
2006/12/08	15:26:05	6.5000	4323.041	184.698
2006/12/08	15:28:05	6.5333	4327.452	184.757
2006/12/08	15:30:05	6.5667	4331.512	184.690
3.3 BPM				
2006/12/08	15:31:55	6.5972	4335.070	184.762
2006/12/08	15:32:05	6.6000	4335.635	184.705
2006/12/08	15:34:05	6.6333	4342.160	184.786
3.5 BPM				
2006/12/08	15:35:01	6.6489	4344.695	184.757
2006/12/08	15:36:05	6.6667	4347.376	184.761
2006/12/08	15:38:05	6.7000	4351.947	184.770
2006/12/08	15:40:05	6.7333	4356.150	184.795
2006/12/08	15:42:05	6.7667	4360.080	184.800
2006/12/08	15:44:05	6.8000	4363.702	184.793
2006/12/08	15:46:05	6.8333	4367.203	184.822
2006/12/08	15:48:05	6.8667	4370.686	184.867
3.1 BPM				

Date	Time	Cum.Time BH1	BH Pres 1	BH Temp 1
		hr	psig	deg F
2006/12/08	15:49:37	6.8922	4373.285	184.878
2006/12/08	15:50:05	6.9000	4372.420	184.928
3.5 BPM				
2006/12/08	15:51:59	6.9317	4379.662	184.896
2006/12/08	15:52:05	6.9333	4377.872	184.894
4.4 BPM				
2006/12/08	15:54:01	6.9656	4384.542	184.888
2006/12/08	15:54:05	6.9667	4384.842	184.890
3.0 BPM				
2006/12/08	15:55:01	6.9822	4383.552	184.919
2.8 BPM				
2006/12/08	15:55:59	6.9983	4381.614	184.883
2006/12/08	15:56:05	7.0000	4381.713	184.872
3.3 BPM				
2006/12/08	15:57:43	7.0272	4385.449	184.876
2006/12/08	15:58:05	7.0333	4385.776	184.876
3.5 BPM				
2006/12/08	15:58:07	7.0339	4386.059	184.885
4.0 BPM				
2006/12/08	15:59:07	7.0506	4389.532	184.851
2006/12/08	16:00:05	7.0667	4392.848	184.887
2006/12/08	16:02:05	7.1000	4398.107	184.872
2006/12/08	16:04:05	7.1333	4402.719	184.847
2006/12/08	16:06:05	7.1667	4406.737	184.816
2006/12/08	16:08:05	7.2000	4410.601	184.755
2006/12/08	16:10:05	7.2333	4414.202	184.807
2006/12/08	16:12:05	7.2667	4417.454	184.708
2006/12/08	16:14:05	7.3000	4420.594	184.683
4.1 BPM				
2006/12/08	16:15:17	7.3200	4422.721	184.662
2006/12/08	16:16:05	7.3333	4424.884	184.723
4.4 BPM				
2006/12/08	16:16:09	7.3344	4424.980	184.712
2006/12/08	16:18:05	7.3667	4429.174	184.714
2006/12/08	16:20:05	7.4000	4432.958	184.753
2006/12/08	16:22:05	7.4333	4436.503	184.687
2006/12/08	16:24:05	7.4667	4439.792	184.680
2006/12/08	16:26:05	7.5000	4442.997	184.687
2006/12/08	16:28:05	7.5333	4445.979	184.676
2006/12/08	16:30:05	7.5667	4448.865	184.669
4.5 BPM				
2006/12/08	16:31:07	7.5839	4450.353	184.669
5.0 BPM				
2006/12/08	16:32:01	7.5989	4452.517	184.672
2006/12/08	16:32:05	7.6000	4452.806	184.674
2006/12/08	16:34:05	7.6333	4457.428	184.705
2006/12/08	16:36:05	7.6667	4461.086	184.708
2006/12/08	16:38:05	7.7000	4464.423	184.723
2006/12/08	16:40:05	7.7333	4467.544	184.703
2006/12/08	16:42:05	7.7667	4470.388	184.694



STANOLIND GAS COM SWD #1 **(FORMERLY KNOWN AS STANOLIND GAS COM C #1 & STANOLIND GAS COM D #1)**

DATA

LOCATION: 1,820' FSL, 1,590' FEL, UL J, SEC 17, T 32N, R12 W
COUNTY/STATE: SAN JUAN, NEW MEXICO
POOLS: SWD MORRISON BLUFF ENTRADA
FORMATIONS BLUFF & ENTRADA
SPUD DATE: 11/20/79 **COMPLETION DATE:** 02/13/81
API#: 30-045-23779 **XTO WELL #:** 68987 (ENTRADA / BLUFF)
IP: GP: SITP 930 PSIG. F. 1,534 MCFPD, FTP 120 PSIG, 3/4" CK, 3 HRS. CAOF 1,607 MCFPD (03/14/81)
MV: SITP 542 PSIG. SICP 1,030 PSIG. F. 1,635 MCFPD, FTP 124 PSIG, 3/4" CK, 3 HRS. CAOF 2,323 MCFPD (03/21/81)
TBG: 2-3/8" WL RE-ENTRY GUIDE (INT & EXT PLASTIC COATED), 2-3/8" (1.78") R PROFILE NIPPLE, 6' X 2-3/8 TBG SUB (INT & EXT COATED) & 4-1/2" X 2-3/8" ARROWSET 1-X DOUPLE GRIP PKR (INT CTD) W/T-2 ON/OFF TL (1.81" F PROFILE NIPPLE IN PLACE) & 219 JTS NEW 2-3/8", 4.7#, J-55, 8RD EUE IPC TBG. PKR @ 7,010'. EOT 7,017'

ABANDONED PERFS:

MV: 3,177'-80', 3,195'-3,203', 3,218'-22', 3,412'-22' (SQZ'D 6/82).
MV: 3,847'-52', 3,859'-64', 3,880'-91', 3,915'-25', 3,944'-50', & 4,162'-68' W/2 SPF. (SQZ'D 5/04).
GP: 5,314'-30', 5,346'-70', 5,376'-95', 5,400'-08', 5,488'-5,517', 5,523'-56', 5,560'-64', 5,567'-88' & 5,590'-93' W/2 SPF (SQZ'D 5/04)
GREENHORN: 6,032'-82' W/2 SPF (SQZ'D 5/04).
DK: 6,152'-58', 6,223'-33', 6,237'-6,246', 6,300'-05', 6,307'-13' W/2 SPF (SQZ'D 5/04).

ACTIVE PERFS:

BLUFF: 7,062' - 7,112' & 7,124' - 7,174' @ 4 JSPF (TTL 400 - 0.34" HOLES).
ENTRADA: 7,338' - 7,458' @ 4 JSPF (TTL 480 - 0.34" HOLES).

HISTORY

11/20/79: BAYLESS DRILG CO SPUEDD 12-1/4" HOLE FOR AMOCO PRODUCTION CO AS THE STANOLIND GAS COM C #1.
11/21/79: TD 12-1/4" HOLE @ 340', RAN 9-5/8", 32.3# H-40 CSG SET @ 339'. CMT'D W/300 SX CLASS B CMT. CIRC CMT TO SURF.
12/26/79: TD 8-3/4" HOLE @ 6,915'. RAN 7" 23# N-80, LTC CSG @ 6,915'. DV TOOL @ 4,629'. CMT'D 1ST STAGE W/260 SX W/50:50 POZ/CLASS B CMT (MIXED @ 12.6 PPG) & TAILED IN W/125 SX CLASS B CMT (MIXED @ 15.6 PPG). CMT'D 2ND STAGE W/570 SX CLASS B CMT W/50:50 POZ (MIXED @ 12.6 PPG) & TAILED IN W/250 SX CLASS B CMT (15.6 PPG). CIRC CMT TO SURF DURING BOTH JOBS.
12/27/79: RDMO DRILG RIG.
04/22/80: MIRU PU. TH WBIT. DO DVT @ 4,635'. TGD @ 6,809' PBTD. SPOTTED 500 GALS 15% HCL ACID @ 6,213'. TOH W/BIT.

04/23/80: PERF'D DK 2 JSPF FR/6,300' - 6,305' & 6,307' - 6,313'. TIH W/PKR & 2-3/8" TBG. SET PKR @ 5,927'. EIR @ 5,100 PSIG & 16.5 BPM. NO BD PRESS OBSERVED. PPD 240 BW + 33 BS. NO BA. REL PKR. TIH & RESET PKR @ 6,281'.

04/25/80: FLWD BACK 180 BW & SWBD 20 BW.

04/26/80: TOH W/PKR. PERF'D DK 2 JSPF FR/6,152' - 6,158'. 6,223' - 6,233' & 6,237' - 6,246'. TIH W/RBP & PKR. SET BP @ 6,284'. SET PKR @ 6,187'. BD DK PERFS FR/6,152' - 6,246' @ 3,900 PSIG. EIR @ 4,000 PSIG & 7 BPM. PPD 1,740 GALS WTR + 60 BS. WEAK BA. REL PKR & RBP. TOH W/RBP & PKR.

04/27/80: FRAC DK PERFS FR/6,152' - 6,313' DWN CSG W/137,000 GALS 40# XL GELLED 2% KCL WTR W/1 GAL/1,000 GALS SURF, 5% CONDENSATE & 369,000# 20-40 SD. AIR 30 BPM. ATP 2,700 PSIG. MAX SD CONC 5 PPG. ISIP 2,550 PSIG, 15" SIP 2,200 PSIG.

04/28/80: TIH W/NC. CO 6,713' - 6,809' PBTD. TOH. TIH W/PKR. SET PKR @ 6,713'.

04/29/80 - 05/02/80: FLOW & SWAB TST 6,152' - 6,313' DK PERFS. WET.

05/03/80: TOH W/PKR. TIH W/CIBP. SET CIBP @ 6,286'. PUH. EOT @ 6,268'.

05/04/80 - 05/09/80: SWBD DK PERFS FR/6,152' - 6,246'. WOULD NOT KO. SWIFPBU. RDMO PU.

05/13/80 - 05/23/80: MIRU SWB RIG. SWBD DK PERFS FR/6,152' - 6,246'. WOULD NOT KO. SWI. RDMO SWB RIG.

06/09/80: MIRU PU. TOH W/2-3/8" TBG. TIH W/BIT.

06/11/80: DO CIBP @ 6,286'. CO TO 6,446'. TOH W/BIT. RAN TRACER & POST FRAC TEMP SURVEYS. TIH W/NC, SN & 2-3/8" TBG. EOT @ 6,250'. RDMO PU.

08/09/80: MIRU PU. TOH W/2-3/8" TBG, SN & NC. MIRU WLU. SET CIBP @ 6,120' NEW PBTD.

08/10/80: MIRU HALIBURTON. PT CIBP. OK. PERF GREENHORN 2 JSPF FR/6,032' - 6,082' (TTL 100 - 0.38" HOLES). TIH W/PKR & 2-7/8" WS. BD PERFS @ 3,200 PSIG. A. W/1,000 GALS 15% HCL ACID + 150 BS. AIR 13.5 BPM. ATP 5,200 PSIG. NO BA. ISIP 2,400 PSIG.

08/11/80: TOH W/PKR & TBG. TIH W/NEW PKR & TBG. SET PKR @ 5,816'. SWB TBG DRY. WELL ON FLW TST.

08/12/80: TOH W/PKR & TBG.

08/13/80: FRAC GREENHORN PERFS FR/6,032' - 6,082' DWN CSG W/60,000 GALS 40# XL GELLED KCL WTR & 148,000# 20-40 SD. AIR 30 BPM. TP 3,000 - 3,750 PSIG. MAX SD CONC 4 PPG. ISIP 3,100 PSIG, 10" SIP 2,680 PSIG.

08/14/80 - 08/20/80: FLWD FOR 1-1/2 HRS. REC 40 BLW. WELL DIED. TIH W/TBG. SWBD & FLOW TSTD GH PERFS. LAST DAY SWBD 1 RUN/HR. NO FLUID ENTRY. LANDED TBG @ 6,075'. RDMO PU.

08/30/80: MIRU PU. SITP 1,080 PSIG, SICP 1,300 PSIG. BD WELL IN 1-1/2 HRS. S. 10 BF. 10 HRS (20 RUNS).

08/31/80 - 09/04/80: SWBD GH PERFS. LAST DAY: SITP 150 PSIG, SICP 240 PSIG, SI 14 HRS. SWAB WELL. REC 1/2 BW. RDMO SU.

09/06/80: MIRU PU. A. GH PERFS W/2,000 GALS 15% HCL ACID DWN TBG. SWIPBU.

09/07/80 - 09/24/80: SWBD GH PERFS. WELL WOULD NOT STAY FLWG. LAST DAY: SITP 250 PSIG, SICP 560 PSIG, SI 14 HRS. BD WELL. MAKE 1 SWAB RUN. REC 4 BW. KO FLWG FOR 3.5 HRS W/HVY MIST. FTP 10 PSIG. LOADED UP. MADE 1 SWB RUN REC 2 BW. SWI. RDMO SU.

OCT. NOV & DEC '80: TRIED TO SWBD IN GH PERFS. NO SUCCESS.

01/16/81: MIRU PU. TOH W/TBG. MIRU WLU. DUMP BAILED 5 SX CLASS B CMT ON CIBP @ 6120' (DK PLUG). SET CIBP @ 6,000'.

01/18/81: DUMPED BAILED 5 SX CLASS B CMT ON CIBP @ 6,000' (GH PLUG). RAN GR/CCL LOG. PERF'D LOWER GP 2 JSPF FR/5,488' - 5,517', 5,523' - 5,556', 5,560' - 5,564', 5,567' - 5,588' & 5,590' - 5,593' (TTL 180 - 0.38" HOLES). RDMO WLU. TIH W/PKR & 2-3/8" TBG. SET PKR @ 5,377'. ATTEMPTED TO FLOW GP PERFS. NO SUCCESS.

01/20/81: TOH W/TBG & PKR. DOWELL ACIDIZED LOWER GP PERFS FR/5,488' - 5,593' @ 10,000 GALS 15% HCL & 144 BS. AIR 6 BPM. ATP 1200 PSIG. RAN JUNK BASKET RECOVERED 16 BALLS. TIH W/PKR. SET PKR @ 5,377'.

01/21/81 - 01/22/81: SWBD & FLW LWR GP.

01/23/81: MIRU WLU. SET RBP @ 5,440'.

01/24/81: PERF' UPPER GP 2 JSPF FR/5,314' - 5,330', 5,346' - 5,370', 5,376' - 5,395' & 5,400' - 5,408' (TTL 134 - 0.34" HOLES).

01/27/81: SICP 1,700 PSIG. MIRU DOWELL. BD PERFS @ 2,600 PSIG. ACIDIZE UPPER GP PERFS FR/5,314' - 5,408' W/1,500 GALS 15% HCL ACID & 134 BS. AIR 15 BPM. ATP 1,400 PSIG. ISIP 950 PSIG. 10" SIP 800 PSIG. RDMO DOWELL.

01/28/81: TIH & REL RBP 5,440'. TOH W/RBP. DOWELL FRAC ALL GP PERFS FR/5,314' - 5,593' DWN CSG W/31,000 GALS 75Q N2 FOAMED 20# GELLED KCL WTR CARRYING 154,250# 20-40 SD. AIR 40 BPM. ATP 2,800 PSIG. ISIP 3,600 PSIG, 15" SIP 3,350 PSIG. PPD 2 - 8 PPG SD STAGES.

01/29/81: CO WELL W/NC.

01/31/81: MIRU WLU. SET CIBP @ 4,400'. PT CIBP. RAN GR/CCL LOG.

02/02/81: PERF'D PT LOOKOUT MV 2 JSPF FR/3,847' - 3,852', 3,859' - 3,864', 3,880' - 3,891', 3,915' - 3,925', 3,944' - 3,950' & 4,162' - 4,168' (TTL 86 - 0.38" HOLES). MIRU DOWELL. BD MV PERFS @ 2,600 PSIG. PPD 45 BW W/120 BS @ 12 BPM. GBA. RAN JUNK BASKET. FRAC PT LOOKOUT MV PERFS FR/3,847' - 4,168' DWN CSG W/75,200 GALS 20# GELLED 2% KCL WTR CARRYING 107,500# 10-20 SD. AIR 52 BPM. ATP 2,000 PSIG. MAX TP 2,300 PSIG. ISIP 1,200 PSIG, 10" SIP 1,000 PSIG. PPD 1 & 2 PPG SD STAGES.

02/03/81: SET RBP @ 3,800'. PERF'D MENEFEE & CLIFFHOUSE MV 2 JSPF FR/3,177' - 3,180', 3,195' - 3,203', 3,218' - 3,222' & 3,412' - 3,422' (TTL 50 - 0.38" HOLES). BD MV PERFS @ 3,700 PSIG. PPD 25 BW W/70 BS @ 30 BPM. GBA. FRAC MENEFEE & CLIFFHOUSE MV PERFS FR/3,177' - 3,422' DWN CSG W/43,750 GALS 20# GELLED 2% KCL WTR CARRYING 62,500# 10-20 SD. AIR 52 BPM. ATP 3,300 PSIG. ISIP 2,500 PSIG, 10" SIP 2,000 PSIG. PPD 1 & 2 PPG SD STAGES.

02/12/81: CO TO @ 5,779'. SET BAKER MODEL D PKR @ 4,338'. LANDED GP TBG AS FOLLOWS: 1/2 MULE SHOE (SET @ 5,606'), 1 JT 2-3/8", 4.7#, J-55, EUE, 8RD TBG. BAKER F NIPPLE (SET @ 5,569'), 38 JTS 2-3/8", 4.7#, J-55, EUE, 8RD TBG, SEAL ASSBLY, 5 JTS 2-3/8", 4.7#, J-55, EUE, 8RD TBG, 3,062" X 20' 15# BLAST JT, 6 JTS 2-3/8", 4.7#, J-55, EUE, 8RD TBG, 2' X 2-3/8", 4.7# TBG SUB, 3,062" X 120' 15# BLAST JTS, 12 JTS 2-3/8", 4.7#, J-55, EUE, 8RD TBG, 3 - 2-3/8", 4.7# TBG SUBS (12', 6' & 4'), 3,062" X 30' BLAST JTS (20' & 10'), 5 JTS 2-3/8", 4.7#, J-55, EUE, 8RD TBG, 2 - 2-3/8", 4.7# TBG SUBS (8' & 6'), 3,062" X 60', 15# BLAST JTS, 98 JTS 2-3/8", 4.7#, J-55, EUE, 8RD TBG, 2 2-3/8", 4.7# TBG SUBS (6' & 3'), 1 JT 2-3/8", 4.7#, J-55, EUE, 8RD TBG. LANDED MV TBG AS FOLLOWS: 5' PERF'D OPMA (SET @ 4,170'), BAKER F NIPPLE (SET @ 4,130'), 120 JTS 2-1/16", 3.25", J-55, 10", J TBG. DUAL COMPLETION.

02/14/81: RDMO PU.

03/14/81: IP GP: SITP 930 PSIG. F. 1,534 MCFFD, FTP 120 PSIG, 3/4" CK, 3 HRS. CAOF 1,607 MCFFD.

03/21/81: IP MV: SITP 542 PSIG, SICP 1,030 PSIG. F. 1,635 MCFPD, FTP 124 PSIG, 3/4" CK. 3 HRS. CAOF 2,323 MCFPD

02/01/82: CHG'D NAME FR/STANOLIND GAS COM C#1 TO STANOLIND GAS COM D#1.

06/17/82: MIRU PU.

06/18/82: TOH W/MV & GP TBG STRINGS. TIH W/RBP & 2-3/8" TBG. SET RBP @ 3,577' & DUMP 2 SX SD ON RBP. TOH W/TBG. TIH W/PKR & 2-3/8" TBG. SET PKR @ 3,260'. SQZ MV (MENFEE) PERFS FR/3,412' - 3,422' W/50 SX DOWELL RFC (GYPSUM, CACL₂ & CMT) W/1% FLA. WOC 12 HRS. REL PKR & RESET @ 2,920'. SQZ MV (CLIFFHOUSE) PERFS FR/3,177' - 3,222' W/50 SX DOWELL RFC (GYPSUM, CACL₂ & CMT) W/1% FLA.

06/20/82: DO CMT. TIH & RETRIEVE RBP @ 3,577'. NO RECORD OF SQZ BEING TST'D.

06/23/82: TIH W/GP TBG STRING. LANDED AS PREVIOUS @ 5,606'. TIH W/MV 2-1/16" TBG STRING LANDED AS PREVIOUS @ 4,170'. SWABBED GP TBG IN. SWB MV TBG. DUAL MV/GP COMPLETION.

06/24/82: RDMO PU.

09/21/82: MIRU PU. TIH W/1-1/2" X 1-1/4" X 16' RWBC PMP W/STRAINER, 2' X 5/8" ROD SUB. 163 - 5/8" RODS W/SH CPL & 1-1/4" X 16' PR W/12" LINER. RDMO PU. PUT MV SIDE ON PMP.

10/14/82: MIRU PU. TOH W/RODS & PUMP. REPL'D PMP & RE-RAN RODS. RDMO PU.

10/23/82: MIRU PU. TOH W/RODS & PUMP. TOH W/2-1/16" TBG. HYD TST TBG. FOUND 2 BAD JTS. TIH & LANDED TBG AS FOLLOWS: OPMA (5' PERF'D SET @ 4,306'), SN (SET @ 4,262'), 124 JTS 2-1/16", 3.25", J-55, 10RD, IJ TBG. TIH W/1-1/2" X 1-1/4" X 16' RWBC PMP W/18" STRAINER, 2' X 5/8" ROD SUB, 168 - 5/8" RODS W/SH CPLGS & 1-1/4" X 16' PR W/10" LINER. RDMO PU.

12/04/82: MIRU PU. TOH W/RODS & PUMP. REPL'D PMP & RE-RAN RODS. RDMO PU.

08/11/83: MIRU PU. TOH W/RODS & PUMP. REPL'D PMP & RE-RAN RODS. PMP WAS PLUGGED W/SCALE & GYPSUM. ROD 166 WAS UNSCREWED RDMO PU.

08/15/85: MIRU PU. TOH W/RODS & PUMP. TOH W/2-1/16" TBG. PMP WAS STUCK IN SN. REPLACED SN & TIH & LANDED TBG AS FOLLOWS: OPMA (5' PERF'D SET @ 4,306'), SN (SET @ 4,262'), 124 JTS 2-1/16", 3.25", J-55, 10RD, IJ TBG. TIH W/1-1/2" X 1-1/4" X 16' RWBC PMP W/18" STRAINER, 2' X 5/8" ROD SUB, 168 - 5/8" RODS W/SH CPLGS & 1-1/4" X 16' PR W/10" LINER. RDMO PU.

01/01/98: CTCOC ASSUMED OPERATORSHIP OF WELL.

09/08/98: SET LUFKIN PPG UNIT TC 44.15-80D-135-48 PPG UNIT W/ARROW C96 GAS ENGINE F/CTOC STOCK. SITP 0 PSIG, SICP 900 PSIG. OP CSG. STD COMP & RWTP TO EPCS LINE @ 5:30 P.M. (PPG UNIT NOT STARTED UNTIL CSG PRESS DROPPED).

05/17/99: RECEIVED APPROVAL TO DHC MCDERMOTT GALLUP POOL & BLANCO MV POOL.

10/26/99: MIRU PU. TOH & LD 1-1/4" X 16' PR W/10" LINER, 168 5/8" RODS, 1 - 2' X 5/8" PONY ROD & 1-1/2" X 1-1/4" X 16' RWBC PMP W/18" STRAINER. TOH & LD MV TBG AS FOLLOWS: 124 JTS 2-1/16", 3.25#, J-55, 10RD, JI TBG, SN, XO, 5' PERF SUB & OPMA. RU TO TOH W/GP TBG. UNSEATED SEAL ASS'BLY. WELL KO.

10/27/99: PPD 15 BW DWN TBG TO KILL WELL. TOH W/2-3/8" 4.7#, J-55, EUE, 8RD TBG, BLAST JT, SEAL ASS'BLY & 2-3/8" PUP JTS. LD PUP JTS. BLAST JT & SEAL ASS'BLY. TIH W/NC, SN, & 2-3/8" TBG. TGD FILL @

5,774.96' KB (4' FILL). LD 11 JTS TBG. TBG: 2-3/8" NC (SLIMHOLE), SN & 170 JTS 2-3/8" 4.7#, J-55, EUE, 8RD TBG. EOT @ 5,420.99' KB. SN @ 5,419.49' KB. SWI. SDFN. REPL 4 BAD JTS TBG. RAN TBG THRU BORE OF PKR @ 4,338'.

10/28/99: BFL 2,800' FS. S. 60 BLW, 30 BW, 18 RUNS. FFL 3,300' FS. SICP 570 PSIG. SWIFPBU.

10/29/99: BFL 3,300' FS. S. 0 BC, 22 BW, 4 RUNS. WELL KO FLWG. FLWD WELL 1 HR. SWIFPBU. 10" SICP 412 PSIG. RDMO PU. WELL IS DOWNHOLE COMMINGLED.

01/12/00: FTP 50 PSIG, SICP 120 PSIG. MIRU SL. RIH W/1.901" GR TO 5,461' KB. TIGHT SPOTS @ 5,102' & 5,166'. RIH W/1.75" BB TO 5,756' KB. PBDT 6,000' KB. RIH W/2" BROACH & BROACHED TIGHT SPOTS. RIH & SET BHBS @ 5,461' KB. PUSHED PLNGR TO BTM. RDMO WL.

04/15/04: MIRU PU. TIH & TGD 7" MODEL D PKR @ 4,338'. MLD 3' OF PKR. JARRED LOOSE. TOH & LD PKR.

04/21/04: MO FILL FR/5,708' - 5,998'. DO CIBP @ 5,998'. TIH & TGD @ 6,100'. CIBP @ 6,120'. MO FILL & CIBP FROM 6,100' - 6,125'. TIH & TGD @ 6,773'. TOH.

04/24/04: TIH & SET 7" CICR @ 6,094'. MXD & PPD 100 SX TYPE III CMT. STUNG INTO CICR UNABLE TO PMP INTO DK. STUNG OUT OF CICR. DISPLACED CMT. TOH. TIH W/2ND 7" CICR, TGD CMT STRINGERS @ 4,980'. TOH.

04/28/04: TIH & DO CMT & CICR FR/4,980' - 6,094'.

04/29/04: TIH & SET 7" CICR @ 6,098'. COMMUNICATION BTW GREENHORN & DK PERFS. TOH. TIH & DO CICR @ 6,098'. TOH. TIH & SET 7" CICR @ 5,900'. MXD & PPD 22 BBLs CMT, LOST INJ RATE. STUNG OUT OF CICR. TOH.

05/02/04: TIH & DO CMT & CICR FR/5,373' - 5,900'.

05/04/04: TIH W/7" PKR & SET @ 5,840'. SQZD GREENHORN & DK PERFS W/125 SX TYPE III 50/50 POZ CMT. RLSD PKR PUH & SET PKR @ 5,100'. SQZD GP PERFS W/100 SX TYPE III 50/50 POZ CMT.

05/05/04: PT GP SQZ TO 1,000 PSIG. HELD OK. RLSD PKR. PUH & SET PKR @ 3,640'. SQZD MV PERFS W/225 SX TYPE III 50/50 POZ CMT.

05/06/04: RLSD PKR @ 3,640'. TOH. TIH & DO CMT FR/3,717' - 4,168'.

05/07/04: TIH & TGD TOC @ 5,214'. DO CMT FR/5,214' - 5,565'.

05/11/04: TIH & TGD TOC @ 5,920'. DO CMT FR/5,920' - 6,314'.

05/12/04: TIH & TGD FILL @ 6,747'. DO FILL W/SOME METAL RETS FR/6,747' - 6,915' (PBTD). PT CSG & SQZ'S TO 500 PSIG ON CHART FOR 30'. HELD OK. RDMO PU.

05/27/04: MIRU AZTEC DRLG RIG #545, 05/26/04. DO FMN FR/6,919' - 7,023'.

05/28/04: DRLD 6-1/4" HOLE FR/7,023' - 7,186'.

05/29/04: DRLD 6-1/4" HOLE FR/7,186' - 7,576'.

05/30/04: RAN AIL/GP/SP OH LOGS FR/7,567' - 5,918'. RAN TLD/CSN OH LOGS FR/7,567' - 6,918'. TIH W/180 JTS 4-1/2", 11.6#, J-55 CSG TO 7,572'. CMT'D 1ST STAGE W/150 SX TYPE III CMT FOLLOWED BY 150 SX CL "H" NEAT CMT. CIRC 5 BBLs CMT OFF STAGE TOOL. CMTD 2ND STAGE W/10 SX TYPE III CMT FOLLOWED BY 50 SX TYPE III NEAT CMT. CIRC 5 BBLs CMT TO SURF. RLSD AZTEC DRLG RIG #545, 5/30/04.

CONVERT WELL TO SWD. NEW NAME: STANOLIND GAS COM #1 SWD

05/30/04: FIRST RPT FOR AFE #201148 TO CONVERT TO SWD. MIRU PU. TOH W/2-3/8" TBG, SN & NC.

04/15/04: TIH W/6-1/8" OD PKR PLUCKER ASSY, 3-1/8" HYD JARS, 6 - 3-1/2" DC'S & 2-3/8" TBG. TGD BAKER 7" MODEL 'D' PKR @ 4,338'. MIRU AFU, PU SWIVEL & EST CIRC. ENGAGED PKR & MO 3' OF PKR ASSY. LATCHED INTO PKR & JARRER PKR LOOSE. STD TOH.

04/16/04: FIN TOH W/TBG, 6- 3-1/8" DC'S, PKR PLUCKER ASSY & PKR. PKR DRUG UP HOLE @ 5K OVER STRG WT. LD PKR PLUCKER ASSY, 2- DC'S & PKR. TIH W/6-1/8" MILL, 4 - 3-1/8" DC'S & TBG. TGD TI SPOT IN CSG @ 5,708'. SWI.

04/17- 23/04: MILLED OUT FRAC SD, FMT SD, RUBBER, METAL, CIBP'S FR/5,708' - 6,915' (ORIGINAL PBTD). NO BAD CSG @ 5,708'. TOH W/TBG, 4- 3-1/8" DC'S & TIH 6-1/8" MILL. SWI.

4/24/04: TIH W/7" CIRC. SET CIRC @ 6,094'. MIRU HALLIBURTON CMT EQUIP. EIR 3-1/2 BPM @ 1,150 PSIG DWN TBG INTO DK PERFS. STUNG OUT OF CIRC. MXD & PPD 100 SX OF CLASS III CMT. DISPLACED CMT TO 1 BBL FRIEOT & STUNG INTO CIRC. DISPLACED CMT W/3 BFW & PRESSURED UP TBG TO 2,000 PSIG. UNABLE TO PMP INTO DK PERFS. RLSD PRESS & STUNG OUT OF CIRC. STUNG BACK INTO RETAINER. DISPLACED CMT TO CIRC W/23 BFW @ 3 BPM & 180 PSIG. RDMO HALLIBURTON CMT EQUIP. TBG ON VAC. STUNG OUT OF CIRC. TOH W/TBG & RETR SETTING TL. STINGER SHOWED A SEAL ASSY PARTIALLY PLD OFF. TIH W/2ND 7" CIRC. TGD CMT STRINGER IN CSG @ 4,980'. TOH W/TBG & CIRC. RETAINER WAS PACKED W/CMT. LD CIRC. SWI.

04/28/04: TIH W/6-1/8" CONE BIT, 4 - 3-1/8" DC'S & TBG. TGD TOC @ 4,980'. DO CMT STRINGERS FR/4,980' - 5,760'. TIH. TGD TOC @ 6,090'. DO CMT & CIRC FR/6,090' - 96'. TIH. TGD FILL @ 6,750'. TOH W/TBG, DC'S & BIT. STD TIH W/7" CIRC.

04/29/04: FIN TIH W/7" CIRC. SET CIRC @ 6,098'. MIRU HALLIBURTON CMT CREW. EIR DWN TBG OF 3 BPM @ 60 PSIG W/55 BFW. SD PMP'S & TBG ON VAC. STUNG OUT OF CIRC & CIRC 5 BW. STUNG BACK INTO CIRC & EIR OF 3 BPM @ 60 PSIG W/TBG ON VAC. POSSIBLE COMM @ CIRC. RDMO HALLIBURTON. STUNG OUT OF CIRC. TOH W/TBG & CIRC SETTING TL. TIH W/6-1/8" BIT, 4 - 3-1/2" DC'S, SN (W/ SV) & 176 JTS. LOADED & PT TBG TO 1,800 PSIG, 5". PT GOOD. RLSD PRESS & RIH W/FT. LATCHED ONTO SV. POH W/FT & SV.

04/30/04: DO CIRC FR/6,098' - 70'. TIH. TGD FILL @ 6,750'. TOH W/TBG, DC'S & BIT. LD BIT. TIH W/7" CIRC. SWI.

05/02/04: SET CIRC @ 5,900'. MIRU HALLIBURTON CMT EQUIP. EIR OF 2.2 BPM @ 1,250 PSIG. MXD & PPD 21.8 BBL CMT SLURRY DWN TBG. LOST INJECTION RATE & PRESSURED UP TBG TO 3,000 PSIG W/CMT @ CIRC. SURGED BACK PRESS & ATTEMPTED TO RE-ESTABLISH INJECTION INTO CIRC W/O SUCCESS. STUNG OUT OF CIRC. TBG ON VAC. STUNG BACK INTO CIRC TO EIR W/O SUCCESS. STUNG OUT OF CIRC. TOH W/TBG & CIRC SETTING TOOL. TIH W/6-1/8" BIT, 4 - 3-1/2" DC'S & TBG. TGD TOC @ 5,373'. DO CMT FR/5,373' - 5,900'. DO CIRC @ 5,900'. LD SWIVEL. TIH W/27 JTS OF TBG. TGD @ 6,765'. LD 27 JTS OF TBG. TOH W/TBG. LD DC'S & BIT.

05/04/04: TIH W/BAKER FULL BORE 7" TENS PKR, SN & TBG. SET PKR @ 5,840'. MIRU HALLIBURTON CMT EQUIP. EIR OF 3 BPM @ 1,250 PSIG DWN TBG W/WTR. SQZD DK & GH PERFS W/125 SX CLASS III 50/50 POZ/CMT (MIXED @ 13.1 LB/GAL & 1.38 CUFT/SK YIELD). DISPLACED CMT TO 5,950' W/29 BFW. FINAL SQZ PRESS 2,300 PSIG. SWI. SITP 1,150 PSIG, 4 HRS. OWU, BLEED OFF PRESS. RLSD PKR. TOH W/24 JTS OF TBG. RE-SET PKR @ 5,100'. GP PERFS FR/5,314' - 5,593'. EIR OF 3-1/2 BPM @ 1,600 PSIG INTO GP PERFS W/WTR. SQZD GP

PERFS W/100 SX OF CLASS III 50/50 POZ/CMT (MIXED @ 13.1 LB/GAL & 1.38 CUFT/SX YIELD). DISPLACED & HESITATED CMT TO 5,200' W/25 BFW. SWI.

05/05/04: PT DWN TBG TO 1,000 PSIG, 5". HELD OK. RLSD PKR. TOH W/46 JTS OF TBG. RE-SET PKR @ 3,640'. PT TCA TO 200 PSIG, 5". HELD OK. EIR OF 4 BPM @ 1,200 PSIG INTO MV PERFS W/WTR. ISIP ON VAC. SQZD MV PERFS W/225 SX OF CLASS III 50/50 POZ CMT (MIXED @ 13.1 LB/GAL & 1.38 YIELD). DISPLACED & HESITATED CMT W/18 BFW TO APPROX 3,750' FS. FINAL SQZ PRESS 2,350 PSIG. SWI. RDMO CMT EQUIP.

05/08/04: PT DWN TBG TO 1,000 PSIG, 5". HELD OK. RLSD PKR. TOH W/TBG & LD PKR. TIH W/6-1/8" BIT, 4 - 3-1/2" DC'S & TBG. TGD TOC @ 3,717'. DO CMT FR/3,717' - 4,168'. PT CSG & MV SQZ TO 200 PSIG, 10". HELD OK. TIH. TGD TOC @ 5,214'. DO CMT FR/5,214' - 5,565'. FELL FREE. TIH TO 5,655'. PT CSG & MV/GP SQZ'S TO 300 PSIG, 10". HELD OK. RLSD PRESS.

05/12/04: TOH W/TBG, 4 DC'S & BIT. TIH W/NEW 6-1/8" CONE BIT, 4 - 3-1/2" DC'S & TBG. TGD TOC @ 5,920'. DO CMT FR/5,920' - 6,314'. PT CSG & MV/GP/GH/DK SQZ'S TO 300 PSIG FOR 15". HELD OK. TIH. TGD FILL @ 6,747'. DO FILL FR/6,747' - 6,762'. CIRC WELL CLN.

05/13/04: DO FILL FR/6,762' - 6,777'. DRLG HARD & SLOW. RETS SHOWED METAL & FRAC/FMT SD. CIRC WELL CLN. TOH W/2 JTS OF TBG. PT CSG & MV/GP/GH/DK SQZ'S TO 500 PSIG FOR 30" ON CHART RECORDER. HELD OK. RLSD PRESS. SWI.

05/19/04: DO FILL FR/6,777' - 6,915' PBTD. CIRC WELL CLN. TOH & LD TBG, DC'S & BIT. RDMO PU.

05/26/04: MIRU AZTEC WS DRLG RIG #545. TIH W/6-1/4" BIT, DC & DP.

05/27/04: DRLD FR/6,919' - 7,023'. BEGAN MUDDING UP. DRLD FR/7,023' - 7,186'.

05/28/04: DRLD FR/7,186' - 7,338'.

05/29/04: DRLD FR/7,338' - 7,516'. SWEPT HOLE W/LCM DUE TO SLIGHT SEEPAGE. TD 6-1/4" HOLE @ 7,576'. C&C MUD. SHORT TRIP TO 7" CSG. NO DRAG, NO FILL. C&C HOLE. PPD SLUG. TOH & LD DP. LD DP & BHA. SCHLUMBERGER RAN AIL/GR/SP LOG FR/7,567' TO 5,918' & TLD/CSN LOG FR/7,567' TO 6,918'. SET 4-1/2", 11.6# J-55, STC CSG @ 7,572'. DVT @ 3,108'. MARKER JT @ 6,970' (12'). FC @ 7,528'. CMT'D 1ST STAGE AS FOLLOWS: (LEAD) 150 SX TYPE III CMT (MIXED @ 11.9 PPG, 2.60 CUFT/SX) FOLLOWED BY (TAIL) 150 SX CL "H" NEAT CMT (MIXED @ 15.6 PPG, 1.18 CUFT/SX). DISP W/FW. BUMPED PLUG. FLOAT HELD OK. DROPPED BOMB & OP DVT. CIRC BTWN STAGES. CIRC 5 BBLs CMT OFF DVT. CMTD 2ND STAGE AS FOLLOWS (LEAD): 110 SX TYPE III CMT (MIXED @ 11.4 PPG, 3.03 CUFT/SK) FOLLOWED BY (TAIL): 50 SX TYPE III NEAT CMT (MIXED @ 14.5 PPG, 1.39 CUFT/SX). DROPPED BOMB. DISP W/48 BFW. BUMPED PLUG. FLOAT HELD OK. CIRC 5 BBLs CMT TO SURF. RDMO BJ SERVICES. ND & SET SLIPS. CUT OFF CSG. RELEASED DRLG RIG ON 05/30/04.

06/24/04: MIRU PU. TIH W/3-7/8" BIT, 4 - 3-1/8" DC'S & 2-3/8" TBG. TGD TOC @ 3,100'. DO CMT & DVT FR/3,100' - 3,110'.

06/25/04: TIH. TGD TOC @ 7,518'. DO CMT FR/7,518' - 7,528' PBTD. CIRC WELL CLN W/180 BBLs OF 2% KCL WTR. TOH. LD DC'S & BIT. PT 4-1/2" CSG TO 2,000 PSIG FOR 30" ON CHART. OK. INCR PRESS TO 4,200 PSIG FOR 5". HELD OK. RLSD PRESS. SWI.

06/26/04: MIRU WLU. RAN TEMP SURVEY TO 7,528' (PBTD). BH TEMP SHOWED 212 DEG F. RAN GR/CCL FR/PBTD TO 6,900'. **PERF**

ENTRADA 4 JSPF FR/7,338' – 7,458' (TTL 480 – 0.34" HOLES). RDMO WLU. TIH W/4-1/2" X 2-3/8" BAKER HD COMP PKR. SN & 2-3/8" TBG. SET PKR @ 7,279'. LOADED & PT TCA & PKR TO 500 PSIG. MIRU HALLIBURTON AC EQUIP. BD ENTRADA PERFS @ 1,607 PSIG. EIR OF 5 BPM @ 3,896 PSIG W/2% KCL WTR. A. ENTRADA PERFS FR/7,338' – 7,458' W/2,500 GALS 7-1/2% NEFE HCL ACID (SURF, FE CONTROL & CI ADDITIVES) & 200 - 7/8" 1.1 SG BIO - BS. FLSHD ACID W/39 BW. AIR 5.5 BPM. ATP 1,897 PSIG. ISIP 1,346 PSIG. 15" SIP 926 PSIG. RDMO HALLIBURTON ACID EQUIP. RU FLOWBACK MANIFOLD & LINE TO TST TNK. OWU. F. 0 BO, 16 BLW, FTP 650 – 0 PSIG, 2" CK, 2 HRS. SWI.

06/27/04: BFL @ 100' FS. S. 0 BO, 6 BLW, 2 RUNS, 1 HR. PARTED SD LINE 70' ABOVE SWB TLS. SD. RU REPLD SWB TLS. RIH W/SWB. BFL @ 1,500'. S. 0 BO, 65 BLW, 17 RUNS, 5 HRS. FFL @ 3,300 FS W/TBG ON VAC AFTER SWB. SWI.

06/29/04: BFL @ 100' FS. S. 0 BO, 39 BLW, 14 RUNS, 5 HRS. FFL @ 3,500' FS. SWI 2 HRS FOR FLU ENTRY. RIH W/SWB. FL @ 2,000' FS. S. 0 BO, 3 BW, 1 RUN. RLSD PKR. TOH W/230 JTS, SN & PKR.

06/30/04: SICIP 17 PSIG. MIRU HALLIBURTON FRAC EQUIP. **FRAC ENTRADA** PERFS FR/7,338' – 7,458' DWN 4-1/2" CSG W/99,984 GAL (SLURRY VOL) DELTA 200 FRAC FLU CARRYING 177,260# 20/40 OTTAWA SD. FLSHD W/4,950 GAL 30# LINEAR GEL. MAX SD CONC. 5.2 PPG. AIR 44.3 BPM. ATP 2,943 PSIG. ISIP 2,100 PSIG. 15" SIP 1,860 PSIG. SWI. RDMO FRAC EQUIP.

07/01/04: SICIP 400 PSIG. OWU. F. 0 BO, 25 BLW, FCP 400 – 275 PSIG, 1 HR. INCR TO 2" CK. F. 0 BO, 569 BLW, FCP 275 – 5 PSIG, 9 HRS. SWI.

07/02/04: SICIP 90 PSIG. OWU. F. 0 BO, 93 BLW, FCP 90 – 5 PSIG, 2" CK, 6 HRS. FLU SAMPLES SHOWED CLN WTR W/NO SD. MIRU COMPUTALOG WLU. SET 4-1/2" 8K CBP @ 7,210'. PT CBP TO 2,000 PSIG FOR 5". RLSD PRESS. PERFD BLUFF 4 JSPF FR/7,124' – 7,174' & 7,082' – 7,112' (TTL 320 – 0.34" HOLES). SWI.

07/03/04: **PERFD BLUFF 4 JSPF FR/7,062' – 7,082' (TTL 80 – 0.34" HOLES).** RDMO WLU. TIH W/4-1/2" X 2-3/8" BAKER 'HD' COMP PKR. SN & 221 JTS 2-3/8" TBG. SET PKR @ 6,994'. PT TCA & PKR TO 500 PSIG. MIRU HALLIBURTON AC EQUIP. BD BLUFF PERFS @ 1,155 PSIG. EIR 5 BPM @ 3,329 PSIG W/2% KCL WTR. A. BLUFF PERFS FR/7,062' – 7,174' W/2,500 GALS 7-1/2% NEFE HCL ACID (SURF, FE CONTROL & CI ADDITIVES) & 200 - 7/8" 1.1 SG BIO - BS. FLSHD ACID W/39 BW. AIR 6 BPM. ATP 1,285 PSIG. ISIP 600 PSIG. 15" SIP 422 PSIG. RDMO HALLIBURTON AC EQUIP. OWU. F. 0 BO, 90 BLW, FTP 320 – 5 PSIG, 2" CK, 3-1/2 HRS. SWI.

07/07/04: SITP 0 PSIG. BFL @ 50' FS. S. 0 BO, 16 BLW, 2 RUNS. FFL @ 100' FS. WELL KO FLWG. F. 0 BO, 23 BW, FTP 5 - 0 PSIG, 2" CK, 3 HRS. WELL DIED. BFL @ 100' FS. S. 0 BO, 85 BW, 20 RUNS, 6 HRS. FFL @ 1000' FS. SWI.

07/08/04: SITP 0 PSIG. BFL @ 50' FS. S. 0 BO, 70 BW, 14 RUNS, 4 HRS. FFL @ 500' FS. RLSD PKR. TOH W/221 JTS, SN & PKR. ND BOP. NU STINGER 5K FRAC VLV. SWI.

07/09/04: MIRU HALLIBURTON FRAC EQUIP. **FRAC BLUFF** PERFS FR/7,062' – 7,174' DWN 4-1/2" CSG W/65,463 GALS (SLURRY VOL) 24# SILVERSTIM FRAC FLUID CARRYING 121,082# 20/40 OTTAWA SD. FLSHD W/4,396 GALS 24# LINEAR GEL. MAX SD CONC 5.6 PPG. AIR 51.1 BPM. ATP 1,606 PSIG. ISIP 915 PSIG. 15" SIP 598 PSIG. SWI. RDMO HALLIBURTON FRAC EQUIP.

07/10/04: SICIP 310 PSIG. OWU. F. 0 BO, 585 BLW, FCP 310 – 5 PSIG, 2" CK, 7 HRS.

07/14/04: TIH W/2-3/8" TBG COUPLING MILL. TGD FILL @ 7,070'. EST CIRC. CO FILL FR/7,070' – 7,210' (CBP). DO CBP @ 7,210'. TIH. TGD FILL @ 7,376'. CO FILL FR/7,376' – 7,528' PBTD. CIRC WELL CLN. TOH W/COUPLING MILL. SWI.

07/15/04: TIH W/PKR. SET PKR @ 6,994'. PT TCA & PKR TO 500 PSIG. MIRU PMP TRK FOR INJ STEP RATE TST. PPD 5 BBLs OF 2% KCL DWN TBG @ 1/2 BPM. AIP 270 PSIG. INCR RATE TO 1 BPM. PPD 10 BW @ AIP OF 380 PSIG. INCR RATE TO 1-1/2 BPM. PPD 15 BW @ AIP OF 480 PSIG. INCR RATE TO 2 BPM. PPD 20 BW @ AIP OF 680 PSIG. SD. ISIP 200 PSIG. RDMO PMP TRK. RLSD PKR. STD TOH. SWI.

07/16/04: FIN TOH LD 2-3/8" TBG & PKR. MO 2-3/8" WK STRING. MI NEW 2-3/8" IPC TBG. SWI.

07/17/04: TIH W/2-3/8" WL RE-ENTRY GUIDE (INT & EXT PLASTIC COATED), 2-3/8" (1.78") R PROFILE NIPPLE, 6' X 2-3/8" TBG SUB (INT & EXT COATED) & 4-1/2" X 2-3/8" ARROWSET 1-X DOUPLE GRIP PKR (INT CTD) W/2-2 ON/OFF TL (1.81" F PROFILE NIPPLE IN PLACE) & 219 JTS NEW 2-3/8", 4.7#, J-55, 8RD EUE IPC TBG. SET PKR @ 7,010'. EOT @ 7,017'. RLSD FRON/OFF TL. CIRC 80 BBLs OF PKR FLU TO SURF. LATCHED BACK ONTO PKR & LANDED TBG. PT TCA TO 500 PSIG FOR 15". HELD OK. MIRU SLU. RUPTURED BLANKING PLG. RETRIEVED PLUG. RDMO WLU. SWI.

07/20/04: MIRU PMP TRK. PT TCA TO 360 PSIG ON CHART RECORDER FOR 30" FOR NMOCD MECHANICAL INTEGRITY TST. RDMO PMP TRK. RDMO PU.

07/21/04 TO 08/23/04: BUILD SWD FACILITIES.

08/24/04: **OWU & STD INJ ON 08/23/04**

04/19/05: SITP 1,250 PSIG, SICIP 0 PSIG (PKR). MIRU H&M PMP TRK. TREATED BLUFF/ENTRADA PERFS FR/7,062' – 7,458' W/495 GL OF BAKER PETROLITE AQUA-SURF WAW3003 (WTR SOLUBLE SURFACTANT) MXD W/170 BBLs OF 2% KCL WTR. RDMO PMP TRK. STD INJ PMP & FLSHD W/400 BBLs OF PROD WTR. AIR 2 BPM. ATP 1,200 PSIG.

04/20/05: SITP 1,100 PSIG, SICIP 0 PSIG (PKR). OWU. FLWD BACK 600 BW TO FLW BACK TK. RWT INJ. INJ PRESS 925 PSIG @ 1300 BWPD.

05/21/05: MIRU EXPERT SLU. RIH W/1.25" IB & TGD @ 7,427' (101' OF FILL, 31' OF PERFS COVERED). POH, RDMO SLU. RWT INJ.

05/24/05: MIRU EXPERT SLU. RIH W/1.25" SAMPLE BLR & TGD @ 7,427'. POH & REC SMALL SAMPLE OF FILL. RIH W/1.50" SAMPLE BLR & TGD @ 7,427'. POH & REC SMALL SAMPLE OF FILL. FILL LOOKS TO BE COAL FINES. RDMO SLU. RWT INJ.

06/11/05: MIRU SLU. RIH W/1.50" IB & TGD @ 7,430' (98' OF FILL, 28' OF PERFS COVERED). POH. RDMO SLU. RWT INJ. SITP 1,250 PSIG, SICIP 0 PSIG (PKR). MIRU HALLIBURTON PMP TRK. TREATED BLUFF/ENTRADA PERFS FR/7,062' – 7,458' W/4500 GL OF SWIC II ACID - 20% (HCL W/IRON CONTROL) MXD W/7 GL/1000 FRESH WATER, 2 GL/1000 HAL-400 (CORROSION INHIBITOR), 1 GL/1000 LOSURF-300 (SURFACTANT), 25 GL/1000 MUSOLA (SOLVENT), AND 2 GL/1000 SGA-HT (FRICTION REDUCER). PUMPED AC IN 8 STAGES. ALTERNATED BETWEEN STRAIGHT AC AND AC W/1.50LBM/GL SALT ROCK (DIVERSION). TTL 3,250 LBM SALT ROCK PMP. NO APPARENT DIVERSION. AIR 4.7 BPM, ATP 1636 PSIG. ISIP 1,433 PSIG. 15" SIP 1,152. RDMO HALLIBURTON PMP TRK. SD 1.5 HR. OWU. FLWD BACK 400 BW TO FLW BACK TK. TEST OF PH INDICATED AC UNTIL ALMOST 400 BW FLW BACK. RWT INJ.

06/14/05: MIRU SLU. RIH W/1.50" IB & TGD @ 7.430' (98' OF FILL, 28' OF PERFS COVERED). POH. RDMO SLU. RWT INJ.

12/08/06: SITP 930 PSIG W/26 HRS. SICP 0 PSIG (PKR). SIICP 0 PSIG. SIBH 9 PSIG. MI & SET 5 - 400 BBL FRAC TNKS & FILLED W/PW. MI & SET 1 FLW BACK TNK. MIRU PHOENIX SERVICES. RIH W/1.25" TANDEM 10K PSIG BHP GA TO 7.395' (133' OF FILL). PUH & SET GA @ 7.375'. MIRU HALLIBURTON PMP TRKS. SIBHP 9 PSIG. OU BH VLV. BH BD IN 1" (0 PSIG) LEFT BH OPN FOR 15" W/NO FLOW. RUN MIT TST. PPD DWN TCA W/1 BBL PW. PT TCA TO 587 PSIG FOR 30". TSTD OK. RLSD PRESS. OU INTER CSG VLV W/NO FLOW. MONITERED INTERMEDIATE CSG & TCA PRESS DURING STEP RATE TEST. BH VLV LEFT OPEN DURING STEP RATE TST TO MONITOR FOR FLOW. EIR DWN TBG FOR STEP RATE TST @ 0.5 BPM W/976 PSIG (AVE) ON TBG FOR 15". INCRD TO 1 BPM W/1,113 PSIG (AVE) ON TBG FOR 15". INCRD TO 1.5 BPM W/1,350 PSIG (AVE) ON TBG FOR 15". INCRD TO 2 BPM W/1,526 PSIG (AVE) ON TBG FOR 15". INCRD TO 2.5 BPM W/1,677 PSIG ON TBG FOR 15". INCRD RATE TO 3 BPM W/2,130 PSIG (AVE) ON TBG FOR 15". INCRD TO 3.5 BPM W/2,390 PSIG (AVE) ON TBG FOR 15". INCRD TO 4 BPM W/2,862 PSIG (AVE) ON TBG FOR 15". INCRD TO 4.5 BPM W/3,271 PSIG (AVE) ON TBG FOR 15". INCRD TO 5 BPM W/3,762 PSIG (AVE) ON TBG FOR 15". SD PMP TRKS. ISIP @ 1,217 PSIG. 5" SIP @ 1,284 PSIG. 10" SIP @ 1,241 PSIG. NO COMMUNICATION TO TCA. INTERMEDIATE CSG & BH DURING STEP RATE TEST. RDMO HALLIBURTON PMP TRKS. USED 496 BPW FOR STEP RATE TST. POH W/1.25" TANDEM 10K PSIG BHP GA. SWI. RDMO PHOENIX SERVICES. SITP 1010 PSIG W/19.5 HRS SIP. BUILT WH MNFD. INST NEW 3" WING VLV FRAWH MNFD TO 3" INL RISER. INST WH PMP HOUSE. STD INJ PMP @ RWT INJ 12/09/06. INIT INJ PRESS @ 1,012 PSIG.

10/13/07: MIRU SLU. RIH W/1.5" GR. TGD @ 7.430' (98' FILL, 28' OF PERFS COVERED). POH. RDMO SLU. RWT INJ. PKR @ 7,010'. EOT @ 7,017'. PBTD @ 7,528'.