

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

New Mexico Oil Conservation Division, District I
1625 N. French Drive
Hobbs, NM 88240

FORM APPROVED
OMB No. 1004-0137
Expires: March 31, 2007

SUNDRY NOTICES AND REPORTS ON WELLS

Do not use this form for proposals to drill or to re-enter an abandoned well. Use Form 3160-3 (APD) for such proposals.

SUBMIT IN TRIPLICATE- Other instructions on reverse side.

1. Type of Well
☒ Oil Well ☐ Gas Well ☐ Other

2. Name of Operator **XTO Energy Inc.**

3a. Address
200 North Loraine, Suite 800, Midland, Tx 79701

3b. Phone No. (include area code)
432-520-6724

4. Location of Well (Footage, Sec., T., R., M., or Survey Description)

**Unit J, Sec 20, T17S, R33E
2490' FWL & 1595' FEL**

5. Lease Serial No.
LC-060967

6. If Indian, Allottee or Tribe Name

7. If Unit or CA/Agreement, Name and/or No.

8. Well Name and No.
SEMGS AU 105

9. API Well No.
30-025-26512

10. Field and Pool, or Exploratory Area
Maljamar Grayburg San Andres

11. County or Parish, State
Lea, New Mexico

12. CHECK APPROPRIATE BOX(ES) TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

TYPE OF SUBMISSION	TYPE OF ACTION			
☐ Notice of Intent	☒ Acidize	☐ Deepen	☐ Production (Start/Resume)	☐ Water Shut-Off
☒ Subsequent Report	☐ Alter Casing	☐ Fracture Treat	☐ Reclamation	☒ Well Integrity
☐ Final Abandonment Notice	☐ Casing Repair	☐ New Construction	☐ Recomplete	☐ Other
	☐ Change Plans	☐ Plug and Abandon	☐ Temporarily Abandon	
	☐ Convert to Injection	☐ Plug Back	☐ Water Disposal	

13. Describe Proposed or Completed Operation (clearly state all pertinent details, including estimated starting date of any proposed work and approximate duration thereof. If the proposal is to deepen directionally or recompleat horizontally, give subsurface locations and measured and true vertical depths of all pertinent markers and zones. Attach the Bond under which the work will be performed or provide the Bond No. on file with BLM/BIA. Required subsequent reports shall be filed within 30 days following completion of the involved operations. If the operation results in a multiple completion or recompleat in a new interval, a Form 3160-4 shall be filed once testing has been completed. Final Abandonment Notices shall be filed only after all requirements, including reclamation, have been completed, and the operator has determined that the site is ready for final inspection.)

11/4/04 MIRU Key Energy Services PU (Louis). Unseated pmp. POOH w/rods & pmp. ND wellhead. NU BOP. SWI & SDON
11/5/04 Rel TAC. POOH w/TAC & 2-3/8" tbg. MI & racked 4,400' of 2-7/8", 6.5#, J-55, EUE, 8rd tbg (Workstring B). PU & RIH w/4-3/4" bit, x-over & 5-1/2" csg scraper on 2-7/8" tbg. Tagged fill @ 4,308' (btm perf). Std POOH w/2-7/8" tbg & tools. SWI & SDON.
11/6/04 Fin POOH w/2-7/8" tbg & tools. RIH w/pkr, SN & 126 jts 2-7/8", 6.5#, J-55, EUE, 8rd tbg to 3,990'. Set pkr @ 3,990'. RU Lobo pmp trk. Loaded TCA w/60 BW & press to 500 psig, held OK. RD Lobo pmp trk. MIRU BJ Acid services & Lobo transports. Acidized Grayburg & San Andres perfs (4,118'-4,308') w/10,000 gals 15% One Shot acid & 1,500# rock salt @ 12 BPM & 3,000 psig. Observed good divert action w/ each stage of rock salt. Flushed acid to btm perf @ 11.4 BPM & 3,762 psig w/85 bbls fresh wtr. ISIP 1,376 psig, 5" SIP 1,240 psig, 10" SIP 1,080 psig & 15" SIP 960 psig. Max/min press 3,750/2,990 psig. 395 BLWTR. RDMO BJ Acid Services & Lobo transports. SWI for 1.5 hrs. SITP vac. RU swab. BFL @ 1,200'. In 2 hrs, swbd 28 BW in 5 runs. EFL @ 2,600'. RD swab. SWI & SDON.

See attached pages for con't work done

ACCEPTED FOR RECORD

14. I hereby certify that the foregoing is true and correct
Name (Printed/Typed)

DeeAnn Kemp

Title **Regulatory Tech**

Signature

Date

12/27/04

**GARY GOURLEY
PETROLEUM ENGINEER**

THIS SPACE FOR FEDERAL OR STATE OFFICE USE

Approved by

Title

Date

Conditions of approval, if any, are attached. Approval of this notice does not warrant or certify that the applicant holds legal or equitable title to those rights in the subject lease which would entitle the applicant to conduct operations thereon.

Office

Title 18 U.S.C. Section 1001 and Title 43 U.S.C. Section 1212, make it a crime for any person knowingly and willfully to make to any department or agency of the United States any false, fictitious or fraudulent statements or representations as to any matter within its jurisdiction.

(Instructions on page 2)

GWW

XTO Energy Inc.
SEMGS AU #105

Zone:		GB/SA			
Event Desc:		Acid Treatment		Top Interval: 4,118 Bottom Interval: 4,308	
Event	Stage	Vol	Rate	Press	
<u>Seq</u>	<u>Desc</u>	<u>(gal)</u>	<u>(bpm)</u>	<u>(psig)</u>	<u>Comments</u>
1	Acid	2,000	11.2	2,950.0	15% One Shot acid.
3	Rock Salt	840	15.0	3,920.0	Pmpd 500# rock salt in 20 bbls gelled 10# brine. Good block action observed.
5	Acid	2,000	12.8	3,419.0	15% One Shot Acid.
7	Rock Salt	420	10.2	3,016.0	Pmpd 500# rock salt in 10 bbls gelled 10# brine. Good block action observed.
9	Acid	2,000	11.3	3,200.0	15% One Shot Acid.
11	Rock Salt	252	10.6	3,325.0	Pmpd 300# rock salt in 6 bbls gelled 10# brine. Good block action observed.
13	Acid	2,000	11.3	3,276.0	15% One Shot Acid.
15	Rock Salt	252	10.3	3,346.0	Pmpd 250# rock salt in 6 bbls gelled 10# brine. Good block action observed.
17	Acid	2,000	11.3	3,281.0	15% One Shot Acid.
19	Flush	3,570	11.4	3,726.0	Flushed acid to btm perf w/fresh wtr. ISIP 1,376 psig. 395 BLWTR.

Ttl Gals: 15,334

Event Desc:		Swab after frac job		Top Interval: 4,118 Bottom Interval: 4,308	
	Swab	Casing	Tubing	Beg	BBLs
<u>Time</u>	<u>Runs</u>	<u>Psig</u>	<u>Psig</u>	<u>FL</u>	<u>Rec Comments</u>
15:00	0	0	0	0	0.00 SITP - vac.
16:00	3	0	0	2,600	18.00 100% wtr.
17:00	2	0	0	2,600	10.00 100% wtr. Gas blow after each swab run. RD swab.
				Ttl	
				Bbls:	28.00

11/7/04 SITP 170 psig. Bled well to test tank. RU swab. BFL @ 2,400'. Made 18 swab runs in 8 hrs & rec 23 BO & 14 BW. EFL @ 3,990'. RD swab. 353 BLWTR. SWI & SDON.

Event Desc:		Swab after acid job		Top Interval: 4,118 Bottom Interval: 4,308	
	Swab	Casing	Tubing	Beg	BBLs
<u>Time</u>	<u>Runs</u>	<u>Psig</u>	<u>Psig</u>	<u>FL</u>	<u>Rec Comments</u>
07:00	0	170	0	2,400	0.00 SITP
08:00	3	0	0	3,000	9.00 45% oil cut.
09:00	3	0	0	3,000	9.00 45% oil cut.
10:00	3	0	0	3,300	8.00 75% oil cut.
11:00	3	0	0	3,600	4.00 75% oil cut.
12:00	3	0	0	3,600	4.00 75% oil cut.
13:00	1	0	0	3,990	1.00 100% oil cut.
14:00	1	0	0	3,990	1.00 100% oil cut.
15:00	1	0	0	3,990	1.00 100% oil cut. RD swab. Rec 23 BO & 14 BW. 353 BLWTR.
				Ttl	
				Bbls:	37.00

11/8/04 SDF Sunday.

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11/9/04 SITP 180 psig. Bled well to tst tank. RU swab. BFL @ 2,800' FS. Made 2 swab runs & rec 4 BO & 2 BW. RD swab. Rel pkr. RIH w/pkr & 2-7/8" tbg to 4,300'. POOH w/pkr & 2-7/8" tbg to 3,990'. Set pkr @ 3,990'. RU swab. BFL @ 3,600'. Made 16 swab runs in 7 hrs & rec 31 BO & 27 BW. EFL @ 3,990'. RD swab. SWI & SDON.

Swab **Zone:** GB/SA

Event Desc: Swab after acid job **Top Interval:** 4,118 **Bottom Interval:** 4,308

<u>Time</u>	<u>Swab Runs</u>	<u>Casing Psig</u>	<u>Tubing Psig</u>	<u>Beg FL</u>	<u>BBLs</u>	<u>Rec Comments</u>
07:00	0	0	180	2,800	0.00	SITP
08:00	2	0	0	3,990	6.00	67% oil. RD swab. RIH & checked for salt. Dumped wtr fr backside.
10:00	3	0	0	3,990	10.00	50% oil.
11:00	3	0	0	3,990	9.00	50% oil.
12:00	2	0	0	3,990	8.00	50% oil.
13:00	2	0	0	3,990	8.00	60% oil.
14:00	2	0	0	3,990	7.00	50% Oil.
15:00	2	0	0	3,990	5.00	60% oil.
16:00	2	0	0	3,990	5.00	60% oil. RD swab. 326 BLWTR.

Ttl Bbls: 58.00

11/10/04 SITP 150 psig. Bled well to tst tank. RU swab. BFL @ 3,000' FS. Made 2 swab runs & rec 2 BO & 4 BW. RD swab. Rel pkr & POOH w/pkr & 2-7/8" tbg. MI & racked 4,100' of 3-1/2", 9.6#, L-80, EUE, 8rd tbg. RU Basin tbg tsters. Tested 3-1/2" workstring into hole to 7,500 psig below slips. PU & RIH w/5-1/2" pkr, SN & 126 jts 3-1/2" tbg to 3,994'. Set pkr @ 3,994'. RD Basin. SWI & SDON.

11/11/04 SITP 80 psig. Bled well to tst tank. RU swab. BFL @ 2,800' FS. Made 11 swab runs in 7 hrs & rec 8 BO & 18 BW. RD swab. MI & RU BJ Frac Services. Press tstd lines to 6,000 psig. Frac'd Grayburg/San Andres perfs 4,118' - 4,308' (178 perfs) w/606 bbls Lightning 3000, 47,180# 16/30 white sand & 4,960# 14/30 Flex sand. AIR 34.4 BPM @ 3,400 psig. Max/Min press 3,767/3,066 psig. Flushed to top perf. ISIP 2,360 psig, 5" SIP 2,169 psig, 10" SIP 2,083 psig & 15" SIP 2,033 psig. RDMO BJ Frac Services. 882 BLWTR. SWI & SDON.

Event Desc: Frac Stimulation **Top Interval:** 4,118 **Bottom Interval:** 4,308

<u>Event Seq</u>	<u>Stage Desc</u>	<u>Vol (gal)</u>	<u>Rate (bpm)</u>	<u>Press (psig)</u>	<u>Comments</u>
1	Pre-pad	1,470	35.0	0.0	
3	Pad	8,484	34.5	3,377.0	
5	1# PPG	1,050	33.4	3,466.0	16/30 white sand
7	2# PPG	1,638	33.5	3,386.0	16/30 white sand
9	3# PPG	2,268	33.7	3,326.0	16/30 white sand
11	4# PPG	2,940	33.5	3,168.0	16/30 white sand
13	5# PPG	3,402	34.0	3,122.0	16/30 white sand & 14/30 Flex sand.
15	6# PPG	3,864	33.4	3,383.0	16/30 white sand & 14/30 Flex sand
17	Flush	1,512	34.4	3,688.0	

Ttl Gals: 26,628

Event Desc: Swab after acid job **Top Interval:** 4,118 **Bottom Interval:** 4,308

<u>Time</u>	<u>Swab Runs</u>	<u>Casing Psig</u>	<u>Tubing Psig</u>	<u>Beg FL</u>	<u>BBLs</u>	<u>Rec Comments</u>
07:00	0	0	80	2,800	0.00	SITP. RU swab.
08:00	3	0	0	3,990	8.00	30% oil.
09:00	3	0	0	3,990	6.00	30% oil.
10:00	1	0	0	3,990	3.00	30% oil.
11:00	1	0	0	3,990	2.00	30% oil.

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12:00	1	0	0	3,990	2.00	30% oil.
13:00	1	0	0	3,990	3.00	30% oil.
14:00	1	0	0	3,990	2.00	30% oil. RD swab.

Ttl
Bbls: 26.00

11/12/04 SITP vac. RU swab. BFL @ 1,200' FS. Made 30 swab runs in 10 hrs & rec 4 BO & 210 BW. RD swab. EFL @ 3,100'. 672 BLWTR. SWI & SDON.

Event Desc: Swab after frac jo **Top Interval:** 4,118 **Bottom Interval:** 4,308

	<u>Swab</u>	<u>Casing</u>	<u>Tubing</u>	<u>Beg</u>	<u>BELS</u>	
<u>Time</u>	<u>Runs</u>	<u>Psig</u>	<u>Psig</u>	<u>FL</u>	<u>Rec</u>	<u>Comments</u>
07:00	0	0	0	1,200	0.00	SITP. RU swab.
08:00	3	0	0	1,500	26.00	100% wtr.
09:00	3	0	0	1,800	22.00	100% wtr.
10:00	3	0	0	2,800	25.00	100% wtr.
11:00	3	0	0	2,800	25.00	100% wtr.
12:00	3	0	0	3,100	20.00	100% wtr.
13:00	3	0	0	3,100	21.00	100% wtr.
14:00	3	0	0	3,100	19.00	Trace of oil.
15:00	3	0	0	3,200	19.00	Trace of oil.
16:00	3	0	0	3,200	18.00	Trace of oil.
17:00	3	0	0	3,100	19.00	Trace of oil. RD swab

Ttl
Bbls: 214.00

11/13/04 SITP 60 psig. Bled well to tst tank. RU swab. BFL @ 2,800' FS. Made 27 swab runs in 10 hrs & rec 20 BO & 130 BW. RD swab. EFL @ 3,300'. 542 BLWTR. SWI & SDON.

Event Desc: Swab after frac job **Top Interval:** 4,118 **Bottom Interval:** 4,308

	<u>Swab</u>	<u>Casing</u>	<u>Tubing</u>	<u>Beg</u>	<u>BELS</u>	
<u>Time</u>	<u>Runs</u>	<u>Psig</u>	<u>Psig</u>	<u>FL</u>	<u>Rec</u>	<u>Comments</u>
07:00	0	0	60	2,800	0.00	SITP. RU swab.
08:00	3	0	0	2,800	18.00	13% oil.
09:00	0	0	0	2,800	0.00	Poured new rope socket for swab line.
10:00	3	0	0	2,800	18.00	13% oil.
11:00	3	0	0	3,100	20.00	13% oil.
12:00	3	0	0	3,100	20.00	13% oil.
13:00	3	0	0	3,200	16.00	13% oil.
14:00	3	0	0	3,200	16.00	13% oil.
15:00	3	0	0	3,300	14.00	13% oil.
16:00	3	0	0	3,300	14.00	13% oil.
17:00	3	0	0	3,300	14.00	13% oil. RD swab.

Ttl
Bbls: 150.00

11/14/04 SDF Saturday.

11/15/04 SDF Sunday.

11/16/04 SITP 110 psig. Bled well to tst tank. RU swab. BFL @ 2,000' FS. Made 3 swab runs in 1 hr & rec 18 BO & 2 BW. EFL @ 3,100' FS. RD swab. Rel pkr & POOH LD 3-1/2" tbg & pkr. RIH w/4-3/4" bit & x-over on 2-7/8", 6.5#, N-80, EUE, 8rd tbg. Tagged fill @ 4,295'. POOH w/tbg & tools to 4,175'. SWI & SDON.

11/17/04 MIRU ABC rev unit & power swivel. RIH w/4-3/4" bit on 2-7/8" tbg & tagged @ 4,295'. Est circ. Cleaned fill & metal (piece of MA) to 4,317' & quit making hole. Rec pieces of bit in returns. Circ hole clean. RD swivel & POOH w/2-7/8" tbg & tools. RIH w/5-1/2" TS RBP, retrieving tool, mechanical collar locator, & 5-1/2" HD pkr on 2-7/8", 6.5#, N-80, EUE, 8rd tbg. Set RBP @ 4,100' & pkr @

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4,084'. Press tstd RBP to 1,000 psig, held ok. POOH w/pkr & 2-7/8" tbg. SWI & SDON.

11/18/04 Loaded 5-1/2" csg & pressd to 500 psig. RU Gray WL. RIH w/GR/CBL/CCL tools. Logged well fr 4,100' to surf. RD Gray WL & ABC rev unit. Log indicated poor cmt from 4,100' - 3,850', good cmt fr 3,850' - 2,100', poor cmt fr 2,100' - 1,090' & good cmt fr 1,090' - surf. RIH w/retrieving tool on 2-7/8", 6.5#, N-80, EUE, 8rd tbg to 4,100'. Latched onto RBP & REL. POOH LD 2-7/8" tbg & tools. RIH w/2-3/8", 4.7#, J-55, EUE, 8rd OE tbg. Std POOH LD 2-3/8" tbg. SWI & SDON.

11/19/04 MI & racked 2-7/8" tbg fr Tuboscope & EMSU yards. Sent 2-3/8" prod tbg into Tuboscope for inspection. Moved 2-7/8" workstring to SEMGSAU #610. RIH w/BPMA, PS, SN, 1 jt 2-7/8" IPC tbg, 8 jts 2-7/8" tbg, TAC & 128 jts 2-7/8" tbg. ND BOP. Set TAC w/15 pts tension. NU wellhead. SWI & SDON.

Tubing Location: Lower

ZONE 1	Desc: GB/SA	TopPerf: 4,118.00	BtmPerf: 4,308.00	OH: No
Object 1	Desc:	Id: Fill	Depth: 4,313.00	
Object 2	Desc: 2-7/8" API SN	Id: SN	Depth: 4,252.00	
Object 3	Desc: Cain 5-1/2" w/50 pts shear.	Id: TAC	Depth: 3,969.00	

<u>Qty</u>	<u>Type</u>	<u>Description</u>	<u>Cond</u>	<u>Top Depth</u>	<u>Btm Depth</u>	<u>Length</u>
1	Tubing	2-7/8", 6.5#, J-55, EUE, 8rd tbg w/male BP	YB	4,257.44	4,288.93	31.49'
1	Other	2-7/8" Perf Sub	New	4,253.44	4,257.44	4.00'
1	Other	2-7/8" API SN	New	4,220.04	4,253.44	1.10'
1	Tubing	2-7/8", 6.5#, J-55, EUE, 8rd IPC tbg (TK-99)	YB	4,187.74	4,220.04	32.30'
8	Tubing	2-7/8", 6.5#, J-55, EUE, 8rd Tubing	YB	3,971.63	4,187.74	248.41'
1	Other	2-7/8" x 5-1/2" TAC	New	3,968.93	3,971.63	2.70'
128	Tubing	2-7/8", 6.5#, J-55, EUE, 8rd Tubing	YB	10.00	3,968.93	3,958.93'
Total						4,278.93'
KB Corr						10.00'
Landed @						4,288.93'

11/20/04 RIH w/168 - 3/4" sucker rods. POOH LD 3/4" sucker rods. RIH w/1-1/4" x 12" GAC, 2.5" x 2.0" x 24' RHBC pmp (SN #XTO113), 4" x 7/8" stabilizer rod, 8 - 1-3/4" K-bars, 161 - 7/8" D sucker rods, 2 - 4' x 7/8" D pony rods & 1-1/2" x 22" polish rod. SWO & HWO. RU Key pmp trk. Loaded tbg w/9 BW. Pressd 2-7/8" tbg to 500 psig in 4 strokes, held ok. RD Key pmp trk. Static FL 1,700' FS. SWI & SDON.

11/21/04 RDMO PU. MI Lufkin Services. Removed Bethlehem 80D pmping unit w/15 HP GE motor to SEMGSAU 413. MI & RU Lufkin 456D pmping unit w/Teco 50 HP mtr fr SEMGSAU 413. Hang well on. RWTP.

11/23/04 In 24 hrs, well pmpd 30 BO, 100 BW & 10 MCF w/2" pmp @ 6 SPM & 120" SL. 60% run time. FL 100' FAP.

11/24/04 In 24 hrs, well pmpd 22 BO, 100 BW & 6 MCF w/2" pmp @ 6 SPM & 120" SL. 60% run time. FL 115' FAP.

11/30/04 MIRU Key Energy Services PU (Louis). Unseated pmp. POOH w/rods & pmp. ND wellhead. NU BOP. POOH w/2-7/8" tbg. SWI & SDON.

12/1/04 RU Gray WL. RIH w/GR/CCL tool & 4" csg guns w/1 JSPF 7 120 degree phasing. Correlated depths to Gray GR/CCL/CBL log. Perf'd the following intervals using Titan API PPF 4023-320T charge 3,897', 8,901', 3,903', 3,908', 3,915', 3,917', 3,919', 3,971', 3,973', 3,975', 3,977', 4,019', 4,021', 4,023', 4,028', 4,030', 4,032', 4,047', 4,049', 4,051' & 4,053' (21 holes). RD Gray WL. RIH w/5-1/2" RBP

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& 5-1/2" pkr on 2-7/8", 6.5#, J-55, EUE, 8rd tbg to 4,093'. Set RBP @ 4,093' & pkr @ 4,064'. RU Key pmp trk. Press tstd RBP to 2,000 psig for 10", held ok. Rel pkr & POOH w/pkr & 2-7/8" tbg to 3,791'. Set pkr @ 3,791'. Loaded TCA w/51 BW & pressed to 500 psig. Monitored backside during treatment. MIRU BJ Acid Services. Acidized Grayburg perms (3,897' - 4,053', 21 holes) using 3,000 gals 15% NEFE HCL acid w/45 - 7/8" RCNBS @ 6.2 BPM & 3,500 psig. Observed some ball action during treatment. Flushed acid to btm perf w/29 BW. ISIP 2,150 psig, 5" SIP 1,895 psig, 10" SIP 1,820 psig & 15" SIP 1,775 psig. Max/Min press - 4,570/2,880 psig. RD BJ Acid Services & Key pmp trk. RU swab line to tst tank. SWI & SDON.

Event Desc: Acidize Grayburg Top Interval: 3,897 Bottom Interval: 4,053

Event Seq	Stage Desc	Vol (gal)	Rate (bpm)	Press (psig)	Comments
1	Flush	714	3.0	3,200.0	Loaded tbg & est inj rate into perms. Perfs broke @ 3,425'
3	Acid	3,000	6.2	3,500.0	Good ball action w/5 balls dropped every 8 bbls. Did not ball out.
5	Flush	1,218	6.2	3,500.0	Flushed acid to btm perf. ISIP 2,150.

Ttl Gals: 4,932

12/2/04 SITP 3,000 psig. RU swab. BFL @ Surface. Made 9 swab runs & swabbed well dry. Made 1 run per hr after. Total swab runs was 15. Recovered 45 BW & 8 BO. EFL @ 3,400'. BLWTR ? SWI & SDON.

Swab Zone: GB/SA

Event Desc: Swab after acid job Top Interval: 3,897 Bottom Interval: 4,053

Time	Swab Runs	Casing Psig	Tubing Psig	Beg FL	BBLs Rec	Comments
08:00	0	500	3,000	3,400	3.00	SITP 3000#. Bled well dwn before starting first swab run.
09:00	3	500	0	3,000	26.00	100% wtr
10:00	3	500	0	3,400	6.00	100% wtr
11:00	3	500	0	3,400	3.00	100% wtr. Pulling unit crew said well swabbed dry after 9 runs.
12:00	1	500	0	3,400	3.00	Trace of oil
13:00	1	500	0	3,400	3.00	Trace of oil
14:00	1	500	0	3,400	2.00	5% oil cut.
15:00	1	500	0	3,400	2.00	100% oil cut.
16:00	1	500	0	3,400	2.00	100% oil cut.
17:00	1	500	0	3,400	2.00	100% oil cut.

Ttl
Bbls: 52.00

12/3/04 SITP 180 psig. RU swab. BFL 1200 FFS. Made 6 swab runs & swabbed well dry. Made 1 run per hr after. Total swab runs was 9. Recovered 18 BW & 8 BO. EFL @ 3,400'. BLWTR? LD swab line. Rel pkr. RIH w/10 jts of 2-7/8" tbg. Latched on to plug. Rel plug. POOH w/tbg, pkr & plug. RIH w/new 5-1/2" RBP & 5-1/2" pkr on EOT. Set plug @ 4,102'. Got off of plug & set pkr. RU Pool pmp trk & press up on plug to 500#. Held ok. RD Pool pmp trk. Rel pkr & POOH w/tbg & pkr. Bull Dog MI & Racked 3900' of 3-1/2", 9.3#, L-80, EUE, 8rd WS. SWI & SDON.

Swab Zone: GB/SA

Event Desc: Swab after acid job. Top Interval: 3,897 Bottom Interval: 4,053

Time	Swab Runs	Casing Psig	Tubing Psig	Beg FL	BBLs Rec	Comments
08:00	3	500	180	1,200	13.00	SITP 180#. BW 10. BO 3.
09:00	3	500	0	3,300	7.00	BW 5. BO 2.
10:00	1	500	0	3,400	2.00	BW 1. BO 1.

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11:00	1	500	0	3,400	2.00	BW 1. BO 1.
12:00	1	500	0	3,400	2.00	BW 1. BO 1.

Ttl
Bbls: 26.00

12/4/04 Chg'd out rams on BOP to 3-1/2". RU Bo Monk Pipe Tstrs. PU & RIH w/5-1/2" AS 1X pkr & 120 jts of 3-1/2", 9.3#, L-80, EUE, 8rd WS. Press tstd WS to 7,500 psig below the slips. RD Bo Monk Tsters. Set pkr @ 3,788'. Loaded TCA w/40 bbls 2% KCl wtr & press tstd to 500 psig for 20", held OK. RD Key pmp trk. SWI & SDON.

12/5/04 SDF Saturday

12/6/04 SDF Sunday

12/7/04 SITP 80 psig. Bled well to tst tank. MI & RU Schlumberger Frac Services. Press tstd lines to 7,500 psig. Frac'd Grayburg perfs 3,897' - 4,053' (21 perfs) w/620 bbls YF130ST x-linked gell, 30,000# 16/30 Ottawa sand & 1,500# 16/30 Curable resin. AIR 20.75 BPM @ 3,299 psig. Max/Min press 3,802/1,768 psig. Flushed to top perf. ISIP 2,546 psig, 5" SIP 2,380 psig, 10" SIP 2,304 psig & 15" SIP 2,196 psig. RDMO Schlumberger Frac Services. 619 BLWTR. Flwd well back to tst tank for 20" to close fracture. SWI for 2 hrs. SITP 1,850 psig. Flwd well back to test tank thru 16/64" choke for 4 hrs & rec 89 BW. SITP 550 psig. 530 BLWTR. SWI & SDON.

Stimulation Zone: Grayburg

Event Desc: Frac Stimulation **Top Interval:** 3,897 **Bottom Interval:** 4,053

<u>Event</u>	<u>Stage</u>	<u>Vol</u>	<u>Rate</u>	<u>Press</u>	
<u>Seq</u>	<u>Desc</u>	<u>(gal)</u>	<u>(bpm)</u>	<u>(psig)</u>	<u>Comments</u>
1	Pad	9,870	23.9	3,680.0	X-linked gel pad
3	1# PPG	2,000	25.5	3,694.0	16/30 Ottawa sand.
5	2# PPG	2,499	25.5	3,577.0	16/30 Ottawa sand.
7	3# PPG	3,000	25.4	3,509.0	16/30 Ottawa sand.
9	4# PPG	3,500	25.4	3,456.0	16/30 Ottawa sand.
11	5# PPG	3,000	25.4	3,603.0	Resin Coated sand.
13	Flush	1,440	12.0	2,993.0	619 BLWTR. ISIP 2,546 psig.

Ttl Gals: 25,309

Flow Zone: Grayburg

Event Desc: Frac Flowback results **Top Interval:** 3,897 **Bottom Interval:** 4,053

	<u>Avg</u>	<u>Choke</u>	<u>BBLs</u>	
<u>Time</u>	<u>Press</u>	<u>Size</u>	<u>Rec</u>	<u>Comments</u>
13:00	1,850.0		0.00	SITP 2 hrs after frac.
14:00	1,450.0	12/64	19.00	100% wtr.
15:00	900.0	16/64	30.00	100% wtr.
16:00	700.0	16/64	20.00	100% wtr.
17:00	550.0	16/64	20.00	100% wtr w/some sand. SWI & SDON.

Ttl Bbls: 89.00

12/8/04 SITP 700 psig. Bled well to tst tank for 2 hrs & rec 18 BW. RU swab. BFL @ surf. Made 23 swab runs in 7 hrs & rec 3 BO & 206 BW. RD swab. EFL @ 2,500'. 306 BLWTR. SWI & SDON.

Event Desc: Swab after frac job **Top Interval:** 3,897 **Bottom Interval:** 4,053

	<u>Swab</u>	<u>Casing</u>	<u>Tubing</u>	<u>Beg</u>	<u>BBLs</u>	
<u>Time</u>	<u>Runs</u>	<u>Psig</u>	<u>Psig</u>	<u>FL</u>	<u>Rec</u>	<u>Comments</u>
09:00	0	0	0	0	0.00	BFL @ surf.
10:00	4	0	0	1,200	30.00	100% wtr.
11:00	4	0	0	2,000	30.00	100% wtr.
12:00	4	0	0	2,200	30.00	100% wtr.
13:00	4	0	0	2,200	30.00	100% wtr.
14:00	4	0	0	2,200	23.00	100% wtr. Rainbow on wtr.

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15:00	3	0	0	2,400	20.00	1 BO.
16:00	3	0	0	2,500	24.00	1 BO.
17:00	3	0	0	2,500	19.00	1 BO. RD swab.

Ttl
Bbls: 206.00

Flow **Zone:** Grayburg

Event Desc: Frac Flowback results **Top Interval:** 3,897 **Bottom Interval:** 4,053

<u>Time</u>	<u>Avg Press</u>	<u>Choke Size</u>	<u>BBLS Rec</u>	<u>Comments</u>
07:00	700.0		0.00	SITP
08:00	70.0	16/64	12.00	100% wtr.
09:00	0.0	2"	6.00	100% wtr.

Ttl Bbls: 18.00

12/9/04 SITP 500 psig. Bled well to tst tank. RU swab. BFL @ 1,200' FS. Made 12 swab runs in 4 hrs & rec 22 BO & 84 BW. RD swab. EFL @ 3,000' FS. 222 BLWTR. Rel pkr & POOH LD 3-1/2" tbg & pkr. STD RIH w/RBP retrieving tool on 2-7/8", 6.5#, J-55, EUE, 8rd tbg. SWI & SDON.

Swab **Zone:** Grayburg

Event Desc: Swab after frac job **Top Interval:** 3,897 **Bottom Interval:** 4,053

<u>Time</u>	<u>Swab Runs</u>	<u>Casing Psig</u>	<u>Tubing Psig</u>	<u>Beg FL</u>	<u>BBLS Rec</u>	<u>Comments</u>
08:00	0	0	500	1,200	0.00	SITP
09:00	30	0	0	2,000	40.00	20% oil.
10:00	3	0	0	2,500	30.00	20% oil.
11:00	3	0	0	3,000	18.00	20% oil.
12:00	3	0	0	3,000	18.00	20% oil. RD swab.

Ttl
Bbls: 106.00

12/10/04 SITP 155 psig. Bled well to tst tank. RIH w/RBP retrieving tool on 2-7/8", 6.5#, J-55, EUE, 8rd tbg. Tagged sd @ 3,990' (103' fill). MI & RU Smith rev unit. RU swivel & est circ. Washed sd dn to 4,093'. Latched onto RBP & rel. POOH w/2-7/8" tbg & RBP. RIH w/2-7/8" nothced collar on 76 jts 2-7/8" tbg. SWI & SDON.

12/11/04 SITP 320 psig. Bled well to tst tank. Fin RIH w/nothced collar on 2-7/8", 6.5#, J-55, EUE, 8rd tbg. Tagged @ 4,316'. POOH w/2-7/8" tbg & tools. RD Smith rev unit. RIH w/BPMA, PS, SN, 1 jts 2-7/8" IPC tbg, 8 jts 2-7/8" tbg, TAC & 128 jts 2-7/8" tbg. ND BOP. Set Tac w/17 pts tension. NU wellhead. RIH w/1-1/4" x 12' GAC, 2.5 x 2.00 x RHBC pmp (SN #XTO113), 7/8" x 4" stabilizer rod, 8 - 1-3/4" K-bars, 160 - 7/8" D rods, 7/8" x 6' pony rod, 7/8" x 2' pony rod & 1-1/2" x 26' polish rod. SWO & HWO. RU Key pmp trk. Loaded hole w/8 BW. Press tstd tbt to 500 psig in 3 strokes, held ok. RD Key pmp trk. RDMO PU. RWTP. SWI & SDON.

Tubing **Location:** Lower

ZONE 1 Desc: Grayburg San Andres **TopPerf:** 3,897.00 **BtmPerf:** 4,308.00 **OH:** No

Object 1 Desc: Id: PBTD Depth: 4,313.00

Object 2 Desc: Id: SN Depth: 4,252.00

Object 3 Desc: Id: TAC Depth: 3,969.00

<u>Qty</u>	<u>Type</u>	<u>Description</u>	<u>Cond</u>	<u>Top Depth</u>	<u>Btm Depth</u>	<u>Length</u>
1	manual	2-7/8", 6.5#, J-55, EUE, 8rd tbg w/male BP.	Same	4,257.44	4,288.93	31.49'
1	manual	2-7/8" Perf Sub.	Same	4,253.44	4,257.44	4.00'
1	manual	2-7/8" API SN.	Same	4,220.04	4,253.44	1.10'
1	manual	2-7/8", 6.5#, J-55, EUE, 8rd, IPC, TK-99 tbg.	Same	4,187.74	4,220.04	32.30'
8	manual	2-7/8", 6.5#, J-55, EUE, 8rd tbg.	Same	3,971.63	4,187.74	248.41'

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1	manual	2-7/8" x 5-1/2" TAC.	New	3,968.96	3,971.63	2.70'
128	manual	2-7/8", 6.5#, J-55, EUE, 8rd tbg.	Same	10.00	3,968.93	3,958.93'

Total

4,278.93'

Landed @

4,278.93'

12/12/04 In 21 hrs, well pmd 71 BO, 136 BW & 22 MCF w/2" pmp @ 6 SPM & 120" SL. FL 2,750'
FAP. 100% run time.

12/14/04 In 23 hrs, well pmd 96 BO, 160 BW & 20 MCF w/2" pmp @ 6 SPM & 120" SL. FL 1,634'
FAP. 100% run time.

12/15/04 In 23 hrs, well pmd 80 BO, 184 BW & 18 MCF w/2" pmp @ 6 SPM & 120" SL. FL 332'
FAP. 100% run time.

12/17/04 In 24 hrs, well pmd 60 BO, 146 BW & 18 MCF w/2" pmp @ 6 SPM & 120" SL. FL 135'
FAP. 85% run time. Final Report