

District I - (505) 393-6161
1625 N. French Dr., Hobbs, NM 88240
District II - (505) 748-1283
1301 W. Grand Avenue, Artesia, NM 88210
District III - (505) 334-6178
1000 Rio Brazos Road, Aztec, NM 87410
District IV - (505) 476-3440
1220 So. St. Francis Dr., Santa Fe, NM 87505

New Mexico
Energy Minerals and Natural Resources Department

Form C-140
Revised June 10, 2003

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, New Mexico 87505
(505) 476-3440

**SUBMIT ORIGINAL
PLUS 2 COPIES
TO APPROPRIATE
DISTRICT OFFICE**

H-05-00019

APPLICATION FOR
WELL WORKOVER PROJECT

I. Operator and Well

Operator name & address CHEVRON U.S.A. INC. 15 SMITH ROAD MIDLAND, TX 79705						OGRID Number 4323		
Contact Party DENISE PINKERTON						Phone 432-687-7375		
Property Name VACUUM GRAYBURG SAN ANDRES UNIT				Well Number 41		API Number 30-025-02249		
UL F00	Section 1	Township 18-S	Range 34-E	Feet From The 1980'	North/South Line NORTH	Feet From The 1980'	East/West Line WEST	County LEA

II. Workover

Date Workover Commenced: 11-09-04	Previous Producing Pool(s) (Prior to Workover): VACUUM GRAYBURG SAN ANDRES - CLEAN OUT, ACIDIZE
Date Workover Completed: 12-28-04	

III. Attach a description of the Workover Procedures performed to increase production.

IV. Attach a production decline curve or table showing at least twelve months of production prior to the workover and at least three months of production following the workover reflecting a positive production increase.

V. AFFIDAVIT:

State of NEW MEXICO)
) ss.
County of LEA)
DENISE PINKERTON, being first duly sworn, upon oath states:

- I am the Operator, or authorized representative of the Operator, of the above-referenced Well.
- I have made, or caused to be made, a diligent search of the production records reasonably available for this Well.
- To the best of my knowledge, this application and the data used to prepare the production curve and/or table for this Well are complete and accurate.

Signature Denise Pinkerton Title REGULATORY SPECIALIST Date 5-17-05
E-mail Address leakejd@chevrontexaco.com
SUBSCRIBED AND SWORN TO before me this 23 day of May, 2005.

My Commission expires: Jan 21, 2009 Notary Public



P. A. CALDWELL
Notary Public, State of Texas
My Commission Expires
January 21, 2009

FOR OIL CONSERVATION DIVISION USE ONLY:

VI. CERTIFICATION OF APPROVAL:

This Application is hereby approved and the above-referenced well is designated a Well Workover Project and the Division hereby verifies the data shows a positive production increase. By copy hereof, the Division notifies the Secretary of the Taxation and Revenue Department of this Approval and certifies that this Well Workover Project was completed on

12/28/2004

Signature District Supervisor <u>[Signature]</u>	OCD District <u>1</u>	Date <u>6/1/05</u>
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

WELL API NO.	30-025-02249
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	B-1080
7. Lease Name or Unit Agreement Name	VACUUM GRAYBURG SAN ANDRES UNIT
8. Well No.	41
9. Pool Name or Wildcat	VACUUM GRAYBURG SAN ANDRES

SUNDRY NOTICES AND REPORTS ON WELLS (DO NOT USE THIS FORM FOR PROPOSALS TO DRILL OR TO DEEPEN OR PLUG BACK TO DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMI (FORM C-101) FOR SUCH PROPOSALS.	
1. Type of Well:	OIL WELL ☒ GAS WELL ☐ OTHER ☐
2. Name of Operator	CHEVRON USA INC
3. Address of Operator	15 SMITH ROAD, MIDLAND, TX 79705
4. Well Location Unit Letter <u>F</u> : <u>1980</u> Feet From The <u>NORTH</u> Line and <u>1980</u> Feet From The <u>WEST</u> Line Section <u>1</u> Township <u>18S</u> Range <u>34E</u> NMPM <u>LEA</u> COUNTY	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) <u>4003' DF</u>	

11. Check Appropriate Box to Indicate Nature of Notice, Report, or Other Data

NOTICE OF INTENTION TO:

PERFORM REMEDIAL WORK ☐ PLUG AND ABANDON ☐
TEMPORARILY ABANDON ☐ CHANGE PLANS ☐
PULL OR ALTER CASING ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐
COMMENCE DRILLING OPERATION ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: CLEAN OUT, ACIDIZE, RETURN TO SUB PUMP ☒

12. Describe Proposed or Completed Operations (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work) SEE RULE 1103.

11-09-04: MIRU KEY #167.
11-10-04: CIRC WATER UP CSG. CSG PRESS UP.
11-11-04: PUMP 1000 GALS 15% ACID DN TBG. PUMP 2000 GALS 15% ACID.
11-12-04: WORK SUB PUMP FREE.
11-15-04: TOH W/37 JTS 2 3/8" TBG. TIH W/132 JTS 2 3/8" PROD TBG.
11-16-04: PU BHA: WP, BMPR SUB, JARS, DC'S, 2 7/8" WS TO 4003.
11-17-04: C/O TO 4009. TIH W/WS, DC, JARS, BMPR SUBS. TIH W/OD SHOE. TAG UP @ 4009.
11-18-04: TIH W/TAPER MIL, BMPR SUBS, JARS & WS. TAG UP @ 4009. MILL THRU TO 4130. TITE SPOT IN CSG @ 4009.
11-19-04: PU MILL, SUB, JARS & DC'S TO 2095.
11-22-04: TIH W/12 STANDS TO 3996'.
11-23-04: REPLACE DRUM ON PU. 11-24-04: MIRU SPARE RIG. 11-29-04: TIH TO 4130. (TOP OF FISH)
11-30-04: TIH W/2 7/8" TBG TO 4130. JAR DN ON SUB PUMP. TIH OPEN ENDED 2 7/8" WS TO 4115. SPOT 24 BBLs 15% ACID. PUH TO 2854.
12-01-04: TIH W/SHOE, BMPR SUB, JARS, DC'S & WS. TAG FISH @ 4130. D/O FISH. PUH TO 2854.
12-02-04: TIH W/FLAT BTM MILL, BS, JARS, DC'S & WS TO TAG @ 4130. PUSH MOTOR TO 4545. PUH TO 2554.
12-03-04: PU MILL TO 4003. MILL FR 4003-4445. C/O LINER.
12-06-04: PU NEW 2 3/8" PROD TBG, 40 JTS TO 1263.
12-07-04: TIH W/2 3/8" TBG & SUB PUMP. BTM OF PUMPT @ 4308. START WELL. GOOD PUMP ACTION.
12-08-04: RIG DOWN. FINAL REPORT
*****ADDITIONAL INFORMATION*****
12-28-04: MIRU KEY. 12-29-04: TOH W/SUB PUMP. TIH W/KILL STRING. 12-30-04: PUMP 30 BBLs BRINE IN TBG. ASSEMBLE PUMP. RU SPOOLER. TIH W/TBG, 134 JTS, DRAIN, 4' SUB PUMP, GAS SEPR, SEAL, MOTOR. STRIP OFF BOP. CUT CABLE, HU FL. RUN PUMP. START UP IN AM.
FINAL REPORT

I hereby certify that the information above is true and complete to the best of my knowledge and belief.

SIGNATURE Denise Leake TITLE Regulatory Specialist DATE 1/5/2005
TYPE OR PRINT NAME Denise Leake Telephone No. 915-687-7375

(This space for State Use)

APPROVED

CONDITIONS OF APPROVAL, IF ANY:

ORITITLEA SIGNED BY
GARY W. WINK
OC FIELD REPRESENTATIVE II/STAFF MANAGER

DATE

JAN 13 2005
DeSoto/Nichols 12-93 ver 2

Name: 41 ID: 30025022490001 Type: Completion Format: [p] Comp - CDPProd vs Time

WELL_LABEL:VGSAU41

FIELD_CODE:T49

PROD_METH:PS

LASTOCUM:2626.9378

CHEVNO:FA3410

FIELD:FLD-VACUUM

CLASS_CODE:OI

LASTGCUM:1435.6920

SIDETRACK:0

LEASE:VACUUM (GRAYBURG-SAN ANDRES) USMP_CODE:BCT492200

CC_NM:VACCUUM GREYBURG SAN ANDRES UT

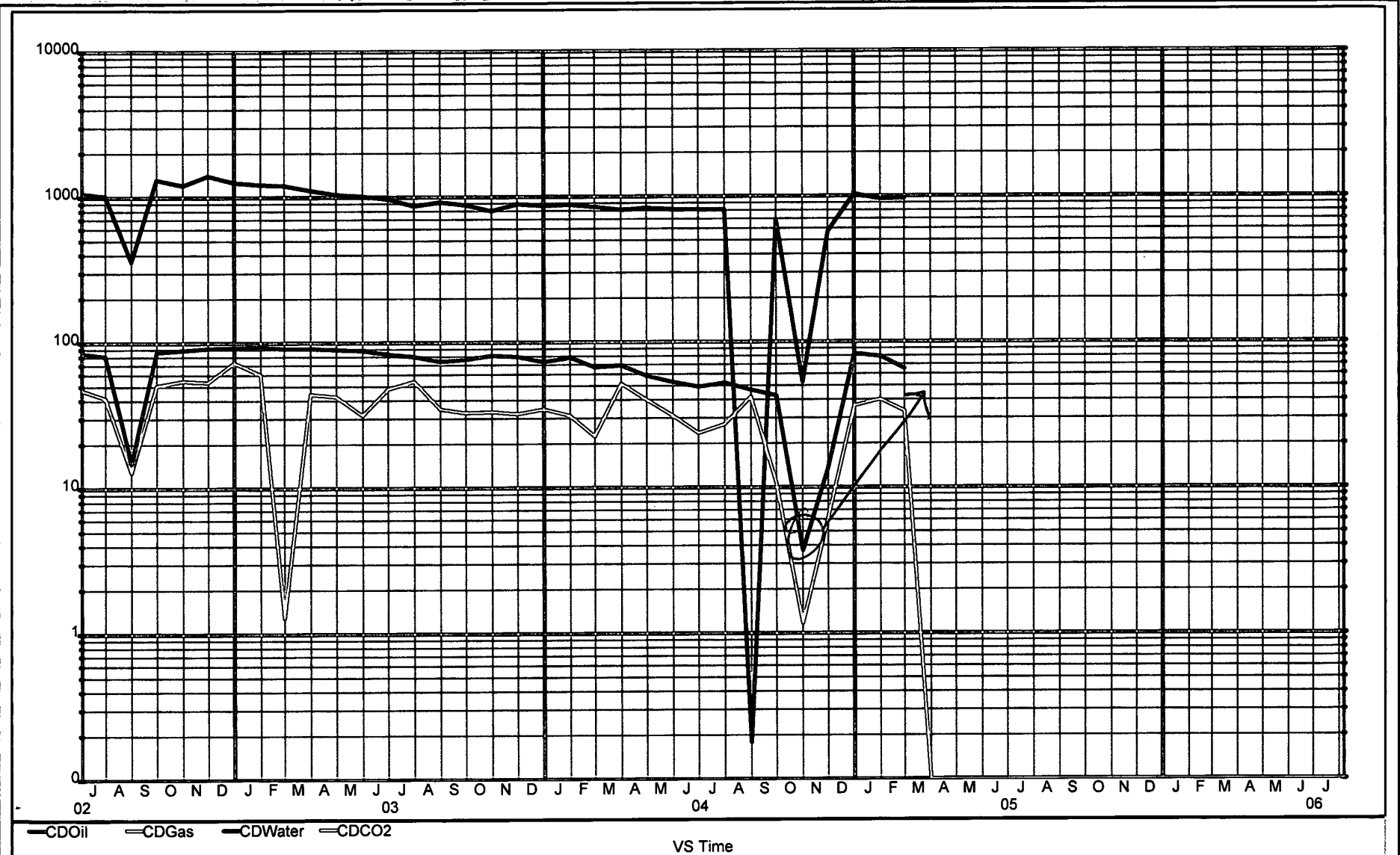
COMP_NUM:01

SEC-T-R:1 - S018 - E034

RES_CODE:0000006849

RES:GRAYBURG/SAN ANDRES

Equipment upgrade



Well	Completion Number	Completion Date	Top MD	Bot MD	Reservoir	Field	Lease
41	01	01/01/1990	0	0	GRAYBURG/SAN ANDR	FLD-VACUUM	VGSAU 41 VGSA

Test Date	MST	Oil Rate	Gas Rate	GOR	Water Rate	Water Cut	Gravity	Prod Method	Choke	Tub Press	Csg Press	Lift Gas Rate
05-18-2005		59.16	32.13	543.10	922.35	94	38.4	PS	0	45	30	0
05-11-2005		59.76	35.37	591.86	919.56	93.9	38.4	PS	0	45	30	0
05-04-2005		65.16	33.54	514.73	920.7	93.4	38.4	PS	0	45	30	0
04-07-2005		66.48	39.06	587.54	949.47	93.5	38.4	PS	0	45	30	0
04-01-2005		62.13	28.17	453.40	961.98	93.9	38.4	PS	0	45	30	0
03-18-2005		64.62	33.63	520.42	940.2	93.6	38.4	PS	0	45	30	0
03-11-2005		66.12	33.51	506.80	948.63	93.5	38.4	PS	0	45	30	0
03-04-2005		61.44	35.13	571.77	961.47	94	38.4	PS	0	45	30	0
02-26-2005		74.61	44.49	596.30	941.43	92.7	38.4	PS	0	45	30	0
02-19-2005		70.05	33.18	473.66	967.89	93.3	38.4	PS	0	45	30	0
02-07-2005		70.44	36.03	511.49	975	93.3	38.4	PS	0	45	30	0
01-20-2005		79.77	63.42	795.03	998.58	92.6	38.4	PS	0	45	30	0
01-14-2005		80.13	39.06	487.45	988.62	92.5	38.4	PS	0	45	30	0
01-07-2005		79.77	38.64	484.39	1042.11	92.9	38.4	PS	0	45	30	0
12-22-2004		0	0	0	0	0	38.4	PS	0	45	30	0
12-12-2004		16.71	8.64	517.05	1239.87	98.7	38.4	PS	0	45	30	0
10-27-2004		39.09	19.17	490.40	632.88	94.2	38.4	PS	0	45	30	0
09-24-2004		0	0	0	0	0	38.4	PS	0	45	30	0
09-07-2004		0	0	0	0	0	38.4	PS	0	45	30	0
09-01-2004		46.2	41.12	890.04	742	94.1	38.4	PS	0	45	30	0
08-31-2004		46.28	37.7	814.60	740.84	94.1	38.4	PS	0	45	30	0
08-29-2004		45.2	40.6	898.23	737.42	94.2	38.4	PS	0	45	30	0
08-28-2004		47.5	38.08	801.68	752.8	94.1	38.4	PS	0	45	30	0
08-25-2004		43.6	41.3	947.24	760	94.6	38.4	PS	0	45	30	0
08-24-2004		48.92	38	776.77	752.38	93.9	38.4	PS	0	45	30	0
08-22-2004		48.2	39.06	810.37	757.18	94	38.4	PS	0	45	30	0
08-21-2004		50.92	38.1	748.23	760.68	93.7	38.4	PS	0	45	30	0
08-19-2004		48.6	40.28	828.80	769.38	94.1	38.4	PS	0	45	30	0
08-18-2004		47.9	37.6	784.96	760.06	94.1	38.4	PS	0	45	30	0
08-16-2004		47	37.46	797.02	753.8	94.1	38.4	PS	0	45	30	0
08-13-2004		57.4	36.14	629.61	769.6	93.1	38.4	PS	0	45	30	0
08-12-2004		66.4	41.3	621.98	789.72	92.2	38.4	PS	0	45	30	0
08-10-2004		53.2	38.58	725.18	763.16	93.5	38.4	PS	0	45	30	0
08-08-2004		50.32	38.54	765.89	767.68	93.8	38.4	PS	0	45	30	0
08-05-2004		51.8	38.72	747.49	770.16	93.7	38.4	PS	0	45	30	0
08-04-2004		0	0	0	0	0	38.4	PS	0	45	30	0
08-03-2004		50.92	38.36	753.33	791.24	94	38.4	PS	0	45	30	0
07-31-2004		54.8	43.06	785.76	804.26	93.6	38.4	PS	0	45	30	0
07-29-2004		61.78	39.44	638.39	822.62	93	38.4	PS	0	45	30	0
07-26-2004		59	40.1	679.66	828.2	93.3	38.4	PS	0	45	30	0
07-24-2004		66.02	40.8	617.99	844.76	92.8	38.4	PS	0	45	30	0
07-21-2004		76.62	43.5	567.73	867.98	91.9	38.4	PS	0	45	30	0
07-19-2004		62.38	40.08	642.51	832.88	93	38.4	PS	0	45	30	0
07-14-2004		45.08	37.72	836.73	771.3	94.5	38.4	PS	0	45	30	0
07-11-2004		48.22	38.18	791.78	781.86	94.2	38.4	PS	0	45	30	0
07-09-2004		45.28	32.6	719.96	747.78	94.3	38.4	PS	0	45	30	0
07-04-2004		42.68	35.14	823.33	739.12	94.5	38.4	PS	0	45	30	0
07-01-2004		42.4	31.38	740.09	756.98	94.7	38.4	PS	0	45	30	0
06-29-2004		49.1	40.12	817.10	771.28	94	38.4	PS	0	45	30	0
06-20-2004		54	37.78	699.62	790.58	93.6	38.4	PS	0	45	30	0
06-17-2004		55.34	40.4	730.03	794.02	93.5	38.4	PS	0	45	30	0
06-13-2004		52	41.9	805.76	776.68	93.7	38.4	PS	0	45	30	0

Test Date	MST	Oil Rate	Gas Rate	GOR	Water Rate	Water Cut	Gravity	Prod Method	Choke	Tub Press	Csg Press	Lift Gas Rate
06-10-2004		43.66	38.4	879.52	758.4	94.6	38.4	PS	0	45	30	0
06-08-2004		52.4	41.22	786.64	751.38	93.5	38.4	PS	0	45	30	0
06-04-2004		55.8	37.92	679.56	759.38	93.2	38.4	PS	0	45	30	0
05-31-2004		49.2	39.82	809.34	757.18	93.9	38.4	PS	0	45	30	0
05-26-2004		59.96	42.22	704.13	683.08	91.9	38.4	PS	0	45	30	0
05-22-2004		55.02	44.9	816.06	728.98	93	38.4	PS	0	45	30	0
05-19-2004		52.52	39.12	744.85	780.96	93.7	38.4	PS	0	45	30	0
05-15-2004		53.3	25.02	469.41	791.6	93.7	38.4	PS	0	45	30	0
05-12-2004		54.54	24.36	446.64	797.9	93.6	38.4	PS	0	45	30	0
05-08-2004		57.8	34.38	594.80	798.68	93.3	38.4	PS	0	45	30	0
05-05-2004		59.78	48.08	804.28	801.68	93.1	38.4	PS	0	45	30	0
05-01-2004		62.18	49.76	800.25	810.52	92.9	38.4	PS	0	45	30	0
04-27-2004		58.2	54.84	942.26	793.26	93.2	38.4	PS	0	45	30	0
04-24-2004		61.98	49.68	801.54	778.94	92.6	38.4	PS	0	45	30	0
04-21-2004		0	0	0	0	0	38.4	PS	0	45	30	0
04-20-2004		59.4	36.62	616.49	637.58	91.5	38.4	PS	0	45	21	0
04-15-2004		64.82	47.54	733.41	758.6	92.1	38.4	PS	0	45	21	0
04-14-2004		64.6	45.68	707.12	763.8	92.2	38.4	PS	0	45	21	0
04-11-2004		66.22	39.88	602.23	751.2	91.9	38.4	PS	0	45	21	0
04-07-2004		76.2	56.46	740.94	788.78	91.2	38.4	PS	0	45	21	0
04-04-2004		67.24	43.48	646.63	737.62	91.6	38.4	PS	0	45	21	0
03-28-2004		61.98	46.2	745.40	728.04	92.2	38.4	PS	0	45	21	0
03-24-2004		64.4	47.1	731.36	784.78	92.4	38.4	PS	0	45	21	0
03-21-2004		68.82	42.86	622.78	786.16	92	38.4	PS	0	45	21	0
03-18-2004		71.82	41.22	573.93	792.8	91.7	38.4	PS	0	45	21	0
03-14-2004		69.22	40.36	583.06	783.94	91.9	38.4	PS	0	45	21	0
03-11-2004		65.78	40.26	612.04	782.52	92.2	38.4	PS	0	45	21	0
03-07-2004		68.6	42.14	614.28	784.76	92	38.4	PS	0	45	21	0
03-04-2004		66.42	39.18	589.88	784.8	92.2	38.4	PS	0	45	21	0
02-22-2004		71.4	47.12	659.94	808.56	91.9	38.4	PS	0	45	21	0
02-19-2004		74.26	41.54	559.38	807.7	91.6	38.4	PS	0	45	21	0
02-15-2004		79.8	42.1	527.56	820.38	91.1	38.4	PS	0	45	21	0
02-11-2004		76.4	45.62	597.12	826.18	91.5	38.4	PS	0	45	21	0
02-07-2004		80.42	36.62	455.35	846.98	91.3	38.4	PS	0	45	21	0
02-03-2004		82.82	45.22	546.00	820.38	90.8	38.4	PS	0	45	21	0
01-30-2004		76.8	31.66	412.23	791.14	91.2	38.4	PS	0	45	21	0
01-26-2004		72.22	44.48	615.89	787.38	91.6	38.4	PS	0	45	21	0
01-20-2004		0	0	0	0	0	38.4	PS	0	45	21	0
01-17-2004		75.28	46.94	623.53	825.44	91.6	38.4	PS	0	45	21	0
01-03-2004		72.2	51.56	714.12	815.4	91.9	38.4	PS	0	45	21	0
12-30-2003		78.48	44.8	570.84	840.14	91.5	38.4	PS	0	45	21	0
12-25-2003		76.82	49.52	644.62	831.36	91.5	38.4	PS	0	45	21	0
12-21-2003		79.1	47.1	595.44	839.32	91.4	38.4	PS	0	45	21	0
12-16-2003		88.42	58.64	663.19	859.32	90.7	38.4	PS	0	45	21	0
12-12-2003		69	46.34	671.59	811.86	92.2	38.4	PS	0	45	21	0
12-07-2003		70.22	47.3	673.59	820.98	92.1	38.4	PS	0	45	21	0
12-03-2003		71.04	41.98	590.93	821.44	92	38.4	PS	0	45	21	0
11-28-2003		79.4	53.48	673.55	833.98	91.3	38.4	PS	0	45	21	0
11-20-2003		78.68	43.68	555.16	733.9	90.3	38.4	PS	0	45	21	0
11-15-2003		84.8	55	648.58	741.2	89.7	38.4	PS	0	45	21	0
11-11-2003		81.3	45.12	554.98	729.04	90	38.4	PS	0	45	21	0
11-02-2003		67.8	43.9	647.49	762.6	91.8	38.4	PS	0	45	21	0

Test Date	MST	Oil Rate	Gas Rate	GOR	Water Rate	Water Cut	Gravity	Prod Method	Choke	Tub Press	Csg Press	Lift Gas Rate
10-29-2003		78.32	45.08	575.58	832.06	91.4	38.4	PS	0	45	21	0
10-25-2003		74.24	43.84	590.51	812.82	91.6	38.4	PS	0	45	21	0
10-20-2003		78.42	53.26	679.16	830.16	91.4	38.4	PS	0	45	21	0
10-15-2003		0	0	0	0	0	38.4	PS	0	45	21	0
10-12-2003		75.24	45	598.08	818.26	91.6	38.4	PS	0	45	27	0
10-07-2003		79.02	47.64	602.88	822.56	91.2	38.4	PS	0	45	27	0
09-23-2003		78.48	47.12	600.40	827.34	91.3	38.4	PS	0	45	27	0
09-18-2003		81	47.66	588.39	835.58	91.2	38.4	PS	0	45	27	0
09-14-2003		79.88	44.78	560.59	829.32	91.2	38.4	PS	0	45	27	0
09-09-2003		88.02	50.86	577.82	855.18	90.7	38.4	PS	0	45	27	0
08-31-2003		83.4	49.98	599.28	846.56	91	38.4	PS	0	45	27	0
08-26-2003		77.4	45.42	586.82	827.56	91.4	38.4	PS	0	45	27	0
08-22-2003		0	0	0	0	0	38.4	PS	0	45	27	0
08-21-2003		79.62	47.48	596.33	839.6	91.3	38.4	PS	0	45	27	0
08-16-2003		81.2	57.62	709.60	836.58	91.2	38.4	PS	0	45	27	0
08-05-2003		89.6	63.24	705.80	815.58	90.1	38.4	PS	0	45	27	0
07-19-2003		83.22	37.22	447.24	816.96	90.8	38.4	PS	0	45	27	0
07-14-2003		83.35	37.48	449.67	827.32	90.8	38.4	PS	0	45	27	0
07-08-2003		90.02	37.3	414.35	858.38	90.5	38.4	PS	0	45	27	0
06-27-2003		95.44	0	0	968.48	91	38.4	PS	0	45	27	0
06-16-2003		93.56	36	384.77	904.8	90.6	38.4	PS	0	45	27	0
05-30-2003		93.2	0	0	907.64	90.7	38.4	PS	0	45	27	0
05-19-2003		93.6	36	384.61	918.76	90.8	38.4	PS	0	45	27	0
05-03-2003		95.42	0	0	925.02	90.6	38.4	PS	0	45	27	0
04-25-2003		0	0	0	0	0	38.4	PS	0	45	27	0
04-22-2003		98.42	36	365.77	934.36	90.5	38.4	PS	0	45	44	0
04-17-2003		98.6	36	365.11	940.84	90.5	38.4	PS	0	45	44	0
04-11-2003		98.8	36	364.37	942.56	90.5	38.4	PS	0	45	44	0
03-11-2003		0	0	0	0	0	38.4	PS	0	45	44	0
02-21-2003		93.76	0	0	1058.9	91.9	38.4	PS	0	45	45	0
02-15-2003		98.2	36.12	367.82	1052.48	91.5	38.4	PS	0	45	45	0
02-08-2003		105.62	37.02	350.50	1067.86	91	38.4	PS	0	45	45	0
02-02-2003		96.32	35.4	367.52	1060.62	91.7	38.4	PS	0	45	45	0
01-30-2003		0	0	0	0	0	38.4	PS	0	45	45	0
01-20-2003		91.62	33.56	366.29	1055.04	92	38.4	PS	0	25	42	0
01-14-2003		96.82	36.58	377.81	1062.96	91.7	38.4	PS	0	25	42	0
01-08-2003		99.2	37.5	378.02	1058.56	91.4	38.4	PS	0	25	42	0
01-03-2003		98.2	35.48	361.30	1062.98	91.5	38.4	PS	0	25	42	0
12-28-2002		101.62	36	354.26	1064.62	91.3	38.4	PS	0	25	42	0
12-22-2002		99.02	36.54	369.01	1075.2	91.6	38.4	PS	0	25	42	0
12-16-2002		97.38	36.78	377.69	1078	91.7	38.4	PS	0	25	42	0
11-04-2002		102.8	41.38		1087.94	91.4		PS	0	0	0	0
10-29-2002		96.4	39.85		1110.3	92		PS	0	0	0	0
10-24-2002		98.4	36.96		1116.6	91.9		PS	0	0	0	0
10-18-2002		103.8	38.43		1121.7	91.5		PS	0	0	0	0
10-12-2002		99.6	38.7		1137.8	92		PS	0	0	0	0
10-06-2002		102.6	39.48		1150.8	91.8		PS	0	0	0	0
10-01-2002		0	0		0	0		PS	0	0	30	0
09-30-2002		103.6	38.15		1175.3	91.9		PS	0	0	0	0
09-26-2002		73.1	36.86		1233.2	94.4		PS	0	0	0	0
09-24-2002		69.6	35.02		1274	94.8		PS	0	0	0	0
09-06-2002		0	5.97		0	0		PS	0	0	0	0

Test Date	MST	Oil Rate	Gas Rate	GOR	Water Rate	Water Cut	Gravity	Prod Method	Choke	Tub Press	Csg Press	Lift Gas Rate
08-31-2002		0	17.22		4.8	100		PS	0	0	0	0
08-25-2002		100.6	45.53		953.9	90.5		PS	0	0	0	0
08-18-2002		93.4	44.21		936.2	90.9		PS	0	0	0	0
08-11-2002		101	43.99		945.6	90.3		PS	0	0	0	0
08-03-2002		113	47.52		944.2	89.3		PS	0	0	0	0
07-28-2002		99.2	43.15		948.7	90.5		PS	0	0	0	0
07-22-2002		96.4	47.06		943.6	90.7		PS	0	0	0	0
07-16-2002		107	56.89		963.8	90		PS	0	0	0	0
07-10-2002		100	41.41		952.9	90.5		PS	0	0	0	0
07-03-2002		95.4	41.71		944.4	90.8		PS	0	0	0	0
06-27-2002		100.4	43.87		969.8	90.6		PS	0	0	0	0
06-21-2002		99.4	41.17		974.4	90.7		PS	0	0	0	0
06-13-2002		98.2	43.8		969.6	90.8		PS	0	0	0	0
06-06-2002		85.5	41.03		972.4	91.9		PS	0	0	0	0
05-30-2002		101.4	42.56		981.5	90.6		PS	0	0	0	0
05-23-2002		107.4	41.67		981.1	90.1		PS	0	0	0	0
05-16-2002		106.2	43.57		994.7	90.4		PS	0	0	0	0
05-09-2002		94.2	39.61		950.4	91		PS	0	0	0	0
05-02-2002		89.4	38.22		954.7	91.4		PS	0	0	0	0
04-24-2002		74.6	36.32		883.8	92.2		PS	0	0	0	0
04-17-2002		79.2	35.09		938.9	92.2		PS	0	0	0	0
04-10-2002		79	34.35		922.1	92.1		PS	0	0	0	0
04-03-2002		74.4	31.81		914.2	92.5		PS	0	0	0	0
03-28-2002		75	32.43		888.9	92.2		PS	0	0	0	0
03-15-2002		76.2	31.93		867.3	91.9		PS	0	0	0	0
03-08-2002		72.2	30.31		844.5	92.1		PS	0	0	0	0
03-01-2002		74.8	32.66		787.8	91.3		PS	0	0	0	0
02-22-2002		82	37.04		788.4	90.6		PS	0	0	0	0
02-15-2002	U	77.4	33.45		797.6	91.2		PS	0	0	0	0
02-07-2002		77.2	33.15		790.2	91.1		PS	0	0	0	0
01-30-2002		85.4	35.51		810.6	90.5		PS	0	0	0	0
01-15-2002		84.2	35.85		832.6	90.8		PS	0	0	0	0
01-08-2002		90	46.33		807.8	90		PS	0	0	0	0
11-10-2001		83.8	39.3		789	90.4		PS	0	0	0	0
11-04-2001	U	82.3	35.85		800.3	90.7		PS	0	0	0	0
11-03-2001	U	83.1	35.67		800	90.6		PS	0	0	0	0
10-27-2001		69.4	33.01		792.4	91.9		PS	0	0	0	0
08-05-2001	U	87.4	31.75		816.5	90.3		PS	0	0	0	0
07-29-2001	U	86.9	31.34		822.7	90.4		PS	0	0	0	0
07-22-2001	U	89.6	32.12		838.2	90.3		PS	0	0	0	0
07-21-2001	U	81.4	30.23		840.9	91.2		PS	0	0	0	0
07-06-2001		81	25.8		795.4	90.8		PS	0	0	0	0
06-29-2001		57.6	18.75		751.6	92.9		PS	0	0	0	0
06-21-2001		78.8	26.7		778.8	90.8		PS	0	0	0	0
06-14-2001		74.3	25.97		776.6	91.3		PS	0	0	0	0
06-06-2001	U	74.8	28.05		780.6	91.3		PS	0	0	0	0
05-30-2001		74.5	25.48		787.7	91.4		PS	0	0	0	0
05-22-2001		75.8	24.77		794.4	91.3		PS	0	0	0	0
05-15-2001	U	78.7	25.49		803.6	91.1		PS	0	0	0	0
05-07-2001		74.6	24.65		795.2	91.4		PS	0	0	0	0
04-30-2001		79	28.51		804	91.1		PS	0	0	0	0
04-23-2001		80.4	26.93		818.7	91.1		PS	0	0	0	0

Test Date	MST	Oil Rate	Gas Rate	GOR	Water Rate	Water Cut	Gravity	Prod. Method	Choke	Tub Press	Csg Press	Lift Gas Rate
04-09-2001	U	69.6	21.68		755.1	91.6		PS	0	0	0	0
04-01-2001	U	62.2	21.71		748.4	92.3		PS	0	0	0	0
03-25-2001		86	31.21		692.9	89		PS	0	0	0	0
03-17-2001		78.2	22.77		776.4	90.8		PS	0	0	0	0
03-10-2001		81.5	30.4		784.9	90.6		PS	0	0	0	0
02-23-2001	U	81.9	29.85		788.5	90.6		PS	0	0	0	0
02-15-2001	U	82.2	32.51		803.4	90.7		PS	0	0	0	0
02-08-2001	U	83.7	32.91		809.9	90.6		PS	0	0	0	0
01-31-2001	U	82.2	32.48		805.2	90.7		PS	0	0	0	0
01-24-2001		85.9	33.94		829.6	90.6		PS	0	0	0	0
01-16-2001	U	81.6	31.41		868.3	91.4		PS	0	0	0	0
01-09-2001	U	80.1	32.72		874	91.6		PS	0	0	0	0
12-30-2000	U	80.8	34.71		884.9	91.6		PS	0	0	0	0
12-15-2000	U	80.8	28.23		851.8	91.3		PS	0	0	0	0
11-30-2000		88.4	30.94		842	90.5		PS	0	0	0	0
11-28-2000		90	30		867.2	90.6		PS	0	0	0	0
10-28-2000		90.3	34		895	90.8		PS	0	0	0	0
09-28-2000		91.9	36		897.7	90.7		PS	0	0	0	0
08-28-2000	U	91	38		908.3	90.9		PS		0	0	0
07-28-2000	U	95.9	40		930.7	90.7		PS		0	0	0
06-28-2000	U	96.2	36		937.8	90.7		PS		0	0	0
05-28-2000	U	88.4	33		770.1	89.7		PS		0	0	0
04-28-2000	U	88	33		813.1	90.2		PS		0	0	0
03-28-2000	U	88.3	37		831.2	90.4		PS		0	0	0
02-28-2000	U	94.2	37		869.9	90.2		PS		0	0	0
01-28-2000	U	88.1	36		891.2	91		PS		0	0	0
12-28-1999	U	85.4	34		861.8	91		PS		0	0	0
11-28-1999	U	87.2	35		885.1	91		PS		0	0	0
10-28-1999	U	75.3	31		847.7	91.8		PS		0	0	0
09-28-1999	U	80.2	33		872.6	91.6		PS		0	0	0
08-28-1999	U	84.8	35		957.1	91.9		PS		0	0	0
07-28-1999	U	79	35		950.7	92.3		PS		0	0	0
06-28-1999	U	66.5	34		1150.9	94.5		PS		0	0	0
05-28-1999	U	31.3	29		1243.4	97.5		PS		0	0	0
04-28-1999	U	71.5	39		1111.7	94		PS		0	0	0
03-28-1999	U	90.7	47		1063.9	92.1		PS		0	0	0
02-28-1999	U	96.3	45		1059.4	91.7		PS		0	0	0
01-28-1999	U	96.8	46		1100.7	91.9		PS		0	0	0
12-28-1998	U	101.6	46		1111.3	91.6		PS		0	0	0
11-28-1998	U	96.3	47		1033.4	91.5		PS		0	0	0
10-28-1998	U	97.9	46		1089.7	91.8		PS		0	0	0
09-28-1998	U	99.6	49		1089.9	91.6		PS		0	0	0
08-28-1998	U	106.9	44		1119.2	91.3		PS		0	0	0
07-28-1998	U	96.1	37		1130.2	92.2		PS		0	0	0
06-28-1998	U	98.3	48		943.2	90.6		PS		0	0	0
05-28-1998	U	104	40		1029.4	90.8		PS		0	0	0
05-04-1998	U	106	39		1019	90.6		PS		0	0	0
04-28-1998	U	105.3	41		1010	90.6		PS		0	0	0
03-28-1998	U	97.9	424		1028.9	91.3		PS		0	0	0
02-28-1998	U	99.1	203		1022.5	91.2		PS		0	0	0
01-26-1998	U	460.2	15		3411.8	88.1		PS		0	0	0
12-17-1997	U	96	43		1002	91.3		PS		0	0	0

Test Date	MST	Oil Rate	Gas Rate	GOR	Water Rate	Water Cut	Gravity	Prod Method	Choke	Tub Press	Csg Press	Lift Gas Rate
11-14-1997	U	122	51		1143	90.4		PS		0	0	0
10-01-1997	U	116	50		1077	90.3		PS		0	0	0
09-08-1997	U	128	56		1088	89.5		PS		0	0	0
08-17-1997	U	122	38		1085	89.9		PS		0	0	0
07-01-1997	U	143	64		1165	89.1		PS		0	0	0
06-14-1997	U	127	52		1105	89.7		PS		0	0	0
05-01-1997	U	152	56		984	86.6		PS		0	0	0
04-01-1997	U	152	56		984	86.6		PS		0	0	0
03-01-1997	U	147	56		1064	87.9		PS		0	0	0
02-13-1997	U	144	55		1061	88		PS		0	0	0
01-01-1997	U	161	15		1141	87.6		PS		0	0	0
12-14-1996	U	162	13		1146	87.6		PS		0	0	0
11-07-1996	U	170	70		1146	87.1		PS		0	0	0
10-19-1996	U	160	64		1143	87.7		PS		0	0	0
09-03-1996	U	180	72		1186	86.8		PS		0	0	0
08-14-1996	U	187	70		1201	86.5		PS		0	0	0
07-04-1996	U	187	67		1274	87.2		PS		0	0	0
06-12-1996	U	180	68		1246	87.4		PS		0	0	0
05-12-1996	U	169	80		1209	87.7		PS		0	0	0
04-04-1996	U	221	88		1115	83.5		PS		0	0	0
03-07-1996	U	201	61		1269	86.3		PS		0	0	0
02-08-1996	U	203	66		1256	86.1		PS		0	0	0
01-16-1996	U	190	63		1268	87		PS		0	0	0
12-01-1995	U	190	49		1245	86.8		PS		0	0	0
11-24-1995	U	119	42		1220	91.1		PS		0	0	0
10-01-1995	U	198	70		1168	85.5		PS		0	0	0
09-14-1995	U	205	70		1156	84.9		PS		0	0	0
08-11-1995	U	208	0		1199	85.2		PS		0	0	0
07-12-1995	U	177	20		1014	85.1		PS		0	0	0
06-08-1995	U	212	24		1189	84.9		PS		0	0	0
05-05-1995	U	204	23		144	41.4		PS		0	0	0
04-01-1995	U	204	23		144	41.4		PS		0	0	0
03-05-1995	U	199	24		1180	85.6		PS		0	0	0
02-13-1995	U	213	102		1176	84.7		PS		0	0	0
01-04-1995	U	219	105		1315	85.7		PS		0	0	0
12-10-1994	U	180	86		1081	85.7		PS		0	0	0
11-08-1994	U	176	84		1095	86.2		PS		0	0	0
10-11-1994	U	174	83		1125	86.6		PS		0	0	0
09-14-1994	U	168	80		1172	87.5		PS		0	0	0
08-09-1994	U	163	78		1169	87.8		PS		0	0	0
07-15-1994	U	161	65		1166	87.9		PS		0	0	0
05-31-1994	U	172	53		1123.6	86.7		PS		0	0	0
04-01-1994	U	175	54		1108	86.4		PS		0	0	0
03-23-1994	U	175	54		1108	86.4		PS		0	0	0
02-01-1994	U	166	51		1089	86.8		PS		0	0	0
01-01-1994	U	166	51		1122	87.1		PS		0	0	0
12-05-1993	U	166	51		1122	87.1		PS		0	0	0
11-07-1993	U	158	49		1114	87.6		PS		0	0	0
10-10-1993	U	177	55		1050	85.6		PS		0	0	0
09-01-1993	U	178	55		1040	85.4		PS		0	0	0
08-01-1993	U	178	55		1040	85.4		PS		0	0	0
07-01-1993	U	178	55		1040	85.4		PS		0	0	0

Test Date	MST	Oil Rate	Gas Rate	GOR	Water Rate	Water Cut	Gravity	Prod Method	Choke	Tub Press	Csg Press	Lift Gas Rate
06-05-1993	U	182	56		1057	85.3		PS		0	0	0
05-01-1993	U	178	55		1009	85		PS		0	0	0
04-07-1993	U	214	66		962	81.8		PS		0	0	0
03-01-1993	U	156	59		1078	87.4		PS		0	0	0
02-01-1993	U	156	59		1078	87.4		PS		0	0	0
01-01-1993	U	157	60		1088	87.4		PS		0	0	0
12-07-1992	U	154	59		1029	87		PS		0	0	0
11-18-1992	U	155	59		1078	87.4		PS		0	0	0
10-18-1992	U	81	31		827	91.1		PS		0	0	0
09-09-1992	U	49	19		822	94.4		PS		0	0	0
08-10-1992	U	135	51		630	82.4		PS		0	0	0
07-16-1992	U	126	48		643	83.6		PS		0	0	0
06-14-1992	U	147	56		623	80.9		PS		0	0	0
05-16-1992	U	139	53		624	81.8		PS		0	0	0
04-16-1992	U	40	15		763	95		PR		0	0	0
03-05-1992	U	165	63		247	60		PR		0	0	0
02-01-1992	U	163	62		235	59		PR		0	0	0
01-01-1992	U	167	63		250	60		PR		0	0	0
12-08-1991	U	166	63		241	59.2		PR		0	0	0
11-02-1991	U	173	66		243	58.4		PR		0	0	0
10-16-1991	U	176	67		231	56.8		PR		0	0	0
09-01-1991	U	165	63		230	58.2		PR		0	0	0
08-01-1991	U	157	60		201	56.1		PR		0	0	0
07-15-1991	U	176	67		229	56.5		PR		0	0	0
06-09-1991	U	183	70		235	56.2		PR		0	0	0
05-14-1991	U	179	68		223	55.5		PR		0	0	0
04-01-1991	U	175	67		207	54.2		PR		0	0	0
03-06-1991	U	179	68		205	53.4		PR		0	0	0
02-12-1991	U	174	66		206	54.2		PR		0	0	0
01-12-1991	U	181	69		205	53.1		PR		0	0	0
12-01-1990	U	197	75		240	54.9		PR		0	0	0
11-19-1990	U	199	76		221	52.6		PR		0	0	0
10-02-1990	U	210	80		254	54.7		PR		0	0	0
09-01-1990	U	209	79		273	56.6		PR		0	0	0
08-01-1990	U	217	82		285	56.8		PR		0	0	0
07-07-1990	U	201	76		300	59.9		PR		0	0	0
06-07-1990	U	208	79		294	58.6		PR		0	0	0
05-07-1990	U	214	81		289	57.5		PR		0	0	0
04-01-1990	U	228	87		305	57.2		PR		0	0	0
03-13-1990	U	228	87		305	57.2		PR		0	0	0
02-03-1990	U	229	87		301	56.8		PR		0	0	0
01-11-1990	U	225	86		289	56.2		PR		0	0	0