

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

APPLICATION FOR
WELL WORKOVER PROJECT

11-05-0004
Denied
well must have 12 mos
of production prior to
workover

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 110		API Number 30-025-36500	
UL M	Section 1	Township 18-S	Range 34-E	Feet From The 653'	North/South Line SOUTH	Feet From The 20'	East/West Line WEST	County LEA

II. Workover

Date Workover Commenced: 3-08-04	Previous Producing Pool(s) (Prior to Workover): VACUUM GRAYBURG SAN ANDRES - HORIZONTAL COMPLETION
Date Workover Completed: 6-10-04	

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.

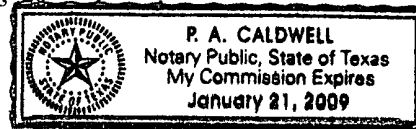
Signature Denise Pinkerton Title REGULATORY SPECIALIST Date 5-17-05

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



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 _____, 20____.

Signature District Supervisor	OCD District	Date
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VII. DATE OF NOTIFICATION TO THE SECRETARY OF THE TAXATION AND REVENUE DEPARTMENT:

Submit 3 Copies To Appropriate District
Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

Form C-103
Revised May 08, 2003

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

WELL API NO. 30-025-36500
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: Vacuum Grayburg San Andres Unit
8. Well Number 110
9. OGRID Number
10. 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 A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

1. Type of Well: Oil Well ☒ Gas Well ☐ Other	7. Lease Name or Unit Agreement Name: Vacuum Grayburg San Andres Unit
2. Name of Operator Chevron U.S.A. Inc.	8. Well Number 110
3. Address of Operator 15 Smith Road - Midland, Texas 79705	9. OGRID Number
4. Well Location Unit Letter M : 653 feet from the South line and 20 feet from the West line Section 1 Township 18S Range 34E NMPM County Lea	10. Pool name or Wildcat Vacuum Grayburg San Andres
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3997' GL	

12. 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 ☐ MULTIPLE COMPLETION ☐
OTHER: ☐

SUBSEQUENT REPORT OF:

REMEDIAL WORK ☒ ALTERING CASING ☐
COMMENCE DRILLING OPNS. ☐ PLUG AND ABANDONMENT ☐
CASING TEST AND CEMENT JOB ☐
OTHER: Drill Horizontal ☒

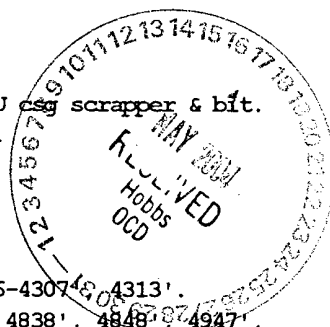
13. Describe proposed or completed operations. (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work). SEE RULE 1103. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

PREP WELL

03-08-04 MIRU. TOH w/prod tbg; change out rams on BOP; lay down sub pump. PU csg scraper & bit.
03-09-04 TIH w/CIBP & set @ 5295'. TIH w/2-7/8" prod tbg to tag plug @ 4295'.
03-10-04 Chart & test for 30 min to 500 psi (good). RD. FINAL REPORT.

DRILL

03-25-04 MIRU. TIH tag mills; test BOPE; TOH; TIH w/whipstock.
03-26-04 Set whipstock; mill window f/4279-4286'; TOH; TIH w/BHA; drill f/4286-4307' & 4313'.
03-27 to 04-01-04 Drill f/4313-4338', 4440', 4493', 4513', 4618', 4628', 4743', 4757', 4838', 4848', 4947',
4962', 4994', 5025', 5092', 5103', 5151', 5277', 5292', 5340', 5353', 5434', 5465', 5497',
5517', 5655', 5670', 5733', 5743', 5906', 5948', 5965', 6115', 6126', 6207', 6220', 6285',
6303', 6377', 6389', 6425', 6441', 6536', 6546', 6584', 6589', 6614', 6631', 6840' TD.
04-02-04 TIH set RBP @ 4004'. RD. Release rig. FINAL DRL REPORT.



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

SIGNATURE Laura Skinner TITLE Regulatory Specialist DATE 05-03-04

Type or print name Laura Skinner

Telephone No. 432-687-7355

(This space for State use)

APPROVED BY _____ ORIGINAL SIGNED BY _____ DATE _____

Conditions of approval, if any:

PAUL F. KAUTZ
PETROLEUM ENGINEER

JUN 24 2004

• Submit 3 Copies To Appropriate District Office
District I
1625 N. French Dr., Hobbs, NM 87240
District II
1301 W. Grand Ave., Artesia, NM 88210
District III
1000 Rio Brazos Rd., Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy, Minerals and Natural Resources

OIL CONSERVATION DIVISION
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-103
Revised May 08, 2003

WELL API NO. 30-025-36500
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No.
7. Lease Name or Unit Agreement Name: Vacuum Grayburg San Andres Unit
8. Well Number 110
9. OGRID Number
10. 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 A DIFFERENT RESERVOIR. USE "APPLICATION FOR PERMIT" (FORM C-101) FOR SUCH PROPOSALS.)

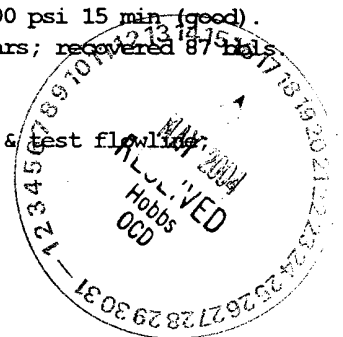
1. Type of Well: Oil Well ☒ Gas Well ☐ Other
2. Name of Operator Chevron U.S.A. Inc.
3. Address of Operator 15 Smith Road - Midland, Texas 79705
4. Well Location Unit Letter M : 653 feet from the South line and 20 feet from the West line Section 1 Township 18S Range 34E NMPM County Lea
11. Elevation (Show whether DR, RKB, RT, GR, etc.) 3997' GL

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

NOTICE OF INTENTION TO:	SUBSEQUENT REPORT OF:
PERFORM REMEDIAL WORK ☐	REMEDIAL WORK ☒
TEMPORARILY ABANDON ☐	ALTERING CASING ☐
PULL OR ALTER CASING ☐	COMMENCE DRILLING OPNS. ☐
CHANGE PLANS ☐	PLUG AND ABANDONMENT ☐
MULTIPLE COMPLETION ☐	CASING TEST AND CEMENT JOB ☐
OTHER: ☐	OTHER: Horizontal Completion ☒

13. 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. For Multiple Completions: Attach wellbore diagram of proposed completion or recompletion.

04-05-04 MIRU.
04-06-04 TIH & rel RBP @ 4009; TOH w/tbg & RBP. TIH w/bit to 4189.47'.
04-07-04 Continue TIH w/bit; tag @ 6840'; TOH. TIH w/sub assembly. Test csg 500 psi 15 min (good).
04-08-04 Acidize OH from 4290-6830' w/80,000 gals 15% NEFE HCL. Swabbed 4-1/2 hrs; recovered 87 bbls.
04-09-04 PU swab; swab 8 hrs; recovered 90 bbls.
04-12-04 Rel pkr @ 4054'; TOH w/workstring, pkr, 2-7/8" tbg & 12 ported subs.
04-13-04 TIH w/motor. Installed QCI hanger. Set in well head. ND BOP. Flush & test flowline.
hooked up to flowline; start unit up; test run sub; run good. SD.
04-14-04 RD. FINAL REPORT.



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

SIGNATURE Laura Skinner TITLE Regulatory Specialist DATE 05-03-04

Type or print name Laura Skinner Telephone No. 432-687-7355

(This space for State use)

APPROVED BY PAUL F. KAUTZ DATE MAY 24 2004
Conditions of approval, if any:

ORIGINAL SIGNED BY
PAUL F. KAUTZ
PETROLEUM ENGINEER

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.	30-025-36500
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	
7. Lease Name or Unit Agreement Name	Vacuum Grayburg San Andres Unit
8. Well No.	110
9. Pool Name or Wildcat	Vacuum Grayburg San Andres
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3997'

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>M</u> : <u>653</u> Feet From The <u>South</u> Line and <u>20</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.)	3997'

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: ☒ ADD'L INFO ON HORIZONTAL COMPLETION

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.

5-28-04: MIRU KEY. TIH W/60 JTS 2 7/8" TBG.

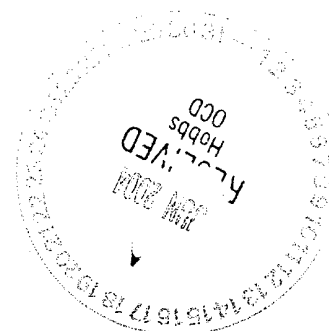
6-01-04: LD TBG.

6-07-04: MIRU KEY. MIRU WS.

6-08-04: MIRU REVERSE UNIT. HOOK WHIPSTOCK @ 4286. PULL FREE. TIH W/BIT TO 4000'.

6-09-04: LOWER BIT TO TAG CIBP @ 4295. DRILL OUT PLUG & PUSH DOWN TO 4636. (PBD) MOVE IN 2 7/8" PROD TBG. TIH W/PERF SUB, SN, TBG, & TAC TO 2400'.

6-10-04: PU GAS ANCHOR, PMP & RDS. SPACE WELL OUT. LOAD & TEST TO 500#. RIG DOWN.



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 6/15/2004

TYPE OR PRINT NAME Denise Leake

Telephone No. 915-687-7375

(This space for State Use)

APPROVED

CONDITIONS OF APPROVAL, IF ANY
ORIGINAL SIGNED BY
GARY W. WILK
OC FIELD REPRESENTATIVE II/STAFF MANAGER

DATE

JUN 22 2004

DeSoto/Nichols 12-93 ver 1.0

Name: 110H ID: 30025365000101 Type: Completion Format: [p] Comp - CDProd vs Time

WELL_LABEL:VGS AU110H

FIELD_CODE:T49

PROD_METH:PR

LASTOCUM:3.1863

CHEVNO:HN4032

FIELD:FLD-VACUUM

CLASS_CODE:OI

LASTGCUM:1.7530

SIDETRACK:1

LEASE:VACUUM GRAYBURG SAN ANDRES UN

NSAP_CODE:BCT492200

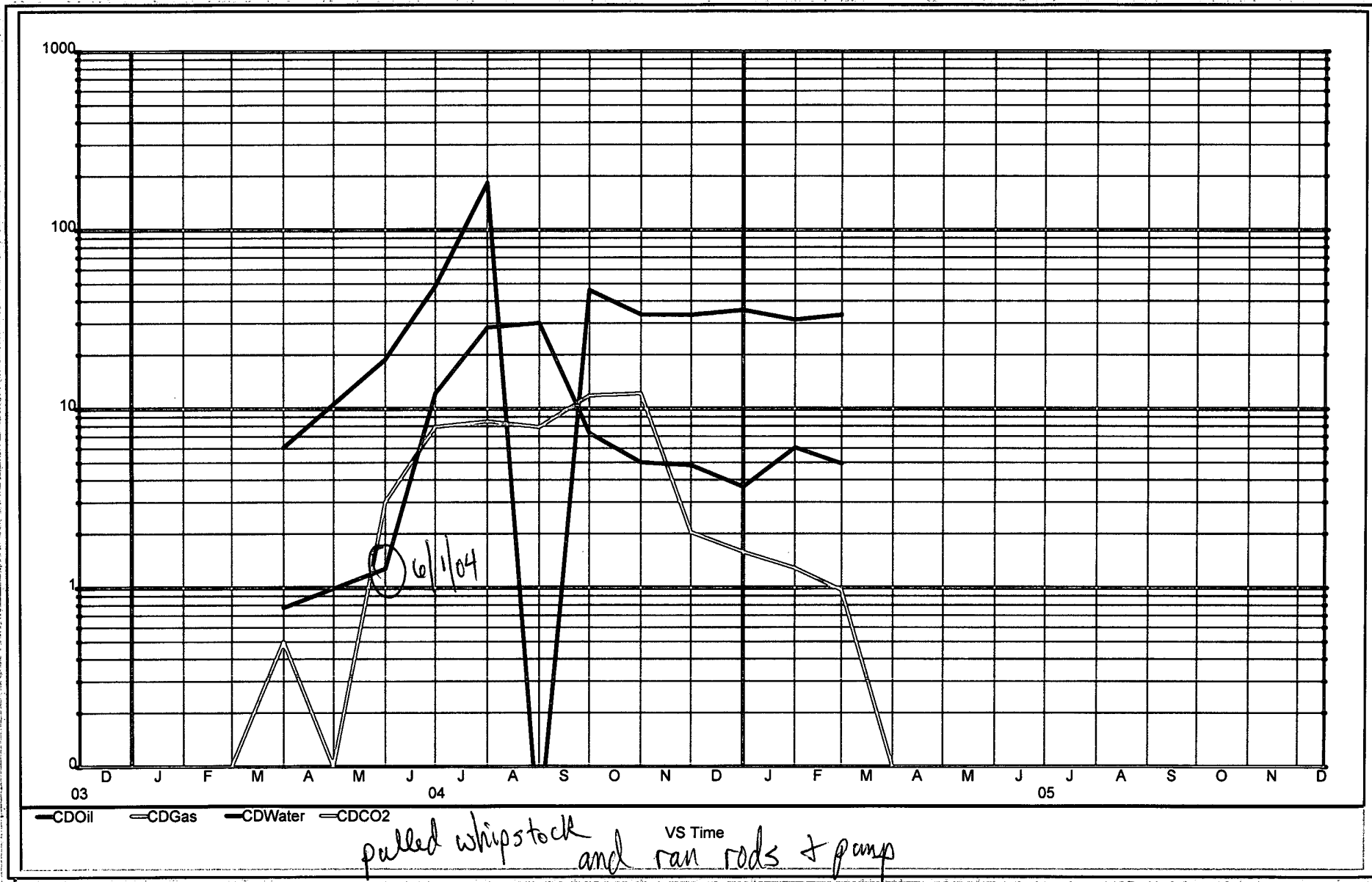
CC_NM:VACCUUM GREYBURG SAN ANDRES UT

COMP_NUM:01

SEC-T-R:1 - S018 - E034

RES_CODE:0000006849

RES:GRAYBURG/SAN ANDRES



Well	Completion Number	Completion Date	Top MD	Bot MD	Reservoir	Field	Lease
110H	01	01/01/1801	0	0	GRAYBURG/SAN ANDR	FLD-VACUUM	VGSAU 110H VGS

Test Date	MST	Oil Rate	Gas Rate	GOR	Water Rate	Water Cut	Gravity	Prod.Method	Choke	Tub Press	Csg Press	Lift Gas Rate
05-13-2005		4.23	2.85	673.75	29.49	87.5	0	PR	0	30	15	0
05-07-2005		6.51	1.71	262.67	28.32	81.3	0	PR	0	30	15	0
03-27-2005		4.41	0.87	197.27	30.66	87.4	0	PR	0	30	15	0
03-20-2005		2.52	1.89	750	31.05	92.5	0	PR	0	30	15	0
03-13-2005		5.7	0.81	142.10	28.26	83.2	0	PR	0	30	15	0
03-07-2005		3.81	0.36	94.488	30.33	88.8	0	PR	0	30	15	0
02-28-2005		7.35	0.84	114.28	37.83	83.7	0	PR	0	30	15	0
02-21-2005		6.24	0.75	120.19	37.62	85.8	0	PR	0	30	15	0
02-14-2005		4.41	0.84	190.47	28.35	86.5	0	PR	0	30	15	0
02-09-2005		3.15	3.66	1161.9	33.18	91.3	0	PR	0	30	15	0
02-03-2005		7.65	1.23	160.78	25.65	77	0	PR	0	30	15	0
01-29-2005		6.42	0.12	18.69	140.65	86.4	0	PR	0	30	15	0
01-10-2005		1.26	0.33	261.90	33.36	96.4	0	PR	0	30	15	0
01-03-2005		6.18	7.14	1155.3	42.39	87.3	0	PR	0	30	15	0
12-28-2004		2.22	0.03	13.51	328.35	92.7	0	PR	0	30	15	0
12-22-2004		0	0	0	0	0	0	PR	0	30	15	0
12-21-2004		5.25	0.03	5.71	4339.45	88.3	0	PR	0	30	15	0
12-08-2004		2.76	4.44	1608.6	35.61	92.8	0	PR	0	30	15	0
12-01-2004		6.09	0.03	4.92	6128.92	82.6	0	PR	0	30	15	0
11-18-2004		3.75	1.2	320	30.75	89.1	0	PR	0	30	15	0
11-12-2004		0	0	0	0	0	0	PR	0	30	15	0
11-11-2004		4.02	0.57	141.79	29.34	87.9	0	PR	0	30	15	0
10-03-2004		5.1	48.27	9464.7	36.15	87.6	0	PR	0	30	15	0
09-24-2004		0	0	0	0	0	0	PR	0	30	15	0
09-16-2004		0	0	0	0	0	0	PR	0	30	15	0
08-09-2004		29.79	7.14	239.67	173.46	85.3	0	PR	0	30	15	0
08-05-2004		0	0	0	0	0	0	PR	0	30	15	0
08-04-2004		21.9	6.66	304.10	180.3	89.2	0	PR	0	30	15	0
07-30-2004		19.2	6.33	329.68	161.1	89.4	0	PR	0	30	15	0
07-21-2004		31.2	6.93	222.11	23.1	42.5	0	PR	0	30	15	0
07-16-2004		5.7	5.55	973.68	47.7	89.3	0	PR	0	30	15	0
07-11-2004		3.6	6.03	1675	46.5	92.8	0	PR	0	30	15	0
07-07-2004		2.43	6.84	2814.8	43.74	94.7	0	PR	0	30	15	0
07-02-2004		4.8	6.12	1275	47.7	90.9	0	PR	0	30	15	0
06-30-2004		2.43	6.3	2592.5	50.73	95.4	0	PR	0	30	15	0
06-28-2004		2.4	6.18	2575	48.3	95.3	0	PR	0	30	15	0
06-27-2004		3	7.26	2420	49.2	94.3	0	PR	0	30	15	0
06-26-2004		0	6.03	0	12.3	100	0	PR	0	30	15	0
06-25-2004		0	6.84	0	11.4	100	0	PR	0	30	15	0
06-23-2004		4.8	7.53	1568.7	72.9	93.8	0	PR	0	30	15	0
06-22-2004		5.1	7.68	1505.8	33.6	86.8	0	PR	0	30	15	0
06-21-2004		4.8	7.65	1593.7	57.6	92.3	0	PR	0	30	15	0
06-20-2004		6	8.22	1370	59.73	90.9	0	PR	0	30	15	0
06-19-2004		3.96	7.65	1931.8	43.74	91.7	0	PR	0	30	15	0
05-10-2004		0	0	0	0	0	0	PS	0	30	15	0
04-26-2004		0	0	0	0	0	0	PS	0	30	12	0
04-24-2004		0.4	0.6	1500	10.26	96.2	0	PS	0	30	32	0
04-23-2004		4.6	2.18	473.91	40.82	89.9	0	PS	0	30	32	0
04-22-2004		17	7.78	457.64	123.82	87.9	0	PS	0	30	32	0
04-21-2004		0	0	0	0	0	0	PS	0	30	32	0
04-01-2004		0	0	0	0	0	0	PS	0	0	0	0

Well	Completion Number	Completion Date	Top MD	Bot MD	Reservoir	Field	Lease
110	01	01/01/1801	0	0	GRAYBURG/SAN ANDR	FLD-VACUUM	VGSAU 110 VGSA

Test Date	MST	Oil Rate	Gas Rate	GOR	Water Rate	Water Cut	Gravity	Prod. Method	Choke	Tub Press	Csg Press	Lift Gas Rate
04-19-2004		0	0	0	0	0	0	PS	0	30	26	0
04-16-2004		0	0	0	0	0	0	PS	0	25	21	0
04-15-2004		0	0	0	0	0	0	PS	0	30	24	0
04-14-2004		0	0	0	0	0	0	PS	0	15	12	0
03-06-2004		10.86	3.12	287.29	47.9	81.5	0	PS	0	50	15	0
02-28-2004		11.06	3.58	324.59	43.06	79.6	0	PS	0	50	15	0
02-25-2004		4.84	2.42	497.93	58.76	92.4	0	PS	0	50	15	0
02-07-2004		6.84	3.58	524.85	64.8	90.5	0	PS	0	50	15	0
02-03-2004		0	0	0	0	0	0	PS	0	50	15	0
01-29-2004		14.9	5.22	350.33	73.06	83.1	0	PS	0	50	15	0
01-26-2004		0	0	0	0	0	0	PS	0	50	15	0
01-25-2004		0	0	0	0	0	0	PS	0	55	15	0
01-21-2004		0	0	0	0	0	0	PS	0	0	0	0
01-15-2004		0	0	0	0	0	0	PS	0	150	60	0
01-14-2004		10.4	3.86	371.15	54.6	84	0	PS	0	180	16	0
01-13-2004		0	0	0	0	0	0	PS	0	180	16	0
01-12-2004		0	0	0	0	0	0	PS	0	180	16	0