State of New Mexico Energy, Minerals & Natural Resource

Form C-101 Revised March 17, 1999

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. 1st Street, Artesia, NM 88210

Regulatory Specialist

5/2/02

Phone:

(915) 687-7355

Title:

Date:

Oil Conservation Divsiion

Submit to appropriate District Office

District IV	000 Rio Brazos Rd., Aztec, NM 87410 2040 S						nth Pacheco NM 87505			Fee Lease - 5 Copies	
2040 South Pache	eco, Santa re,	NM 87303			<i>5</i> 4 1144					AME	ENDED REPORT
APPLI	CATION		RMIT T		LL, RE-E	NTE	R, DE	EPEN,	PLUGBAC	K, OR ADI	O A ZONE
Texaco Expl		-		d Address						022351	
		nd, Texas 7							30- 025-0	³ API Number	
	erty Code				5 Property	Name			30- 025-0		11 No.
1	124			Vacuum G	rayburg JS		dres U	nit			7H
	<u> </u>		-		⁷ Surface I	Locat	ion				
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from t	the	North/So	outh Line	Feet from the	East/West line	County
N	2	18-S	34-E		666	1	Sc	outh	1987'	West	I.e.a.
		L	Proposed Bottom Hole Location If Different From Surface					n Surface			
UL or lot no.	Section	Township	Range	Lot. Idn	Feet from			outh Line	Feet from the	East/West line	County
P	2	18-S	34-E		681	1	Sc	outh	943'	East	Lea
		9 Proposed F		ــــــــــــــــــــــــــــــــــــــ					10 Proposed	Pool 2	
	Vacana	Grayburg		06							
	Vacuuli	GrayDurg	Sen Film			<u> </u>					
II Work	Type Code		² Well Type C	ode	13 Cable	/Rotary		¹⁴ Le	ase Type Code		Level Elevation
	rizontal)		0			R		10	S	40081	
16 M	ultiple	'	7 Proposed De	-	18 Form	nation 19 Contractor			Contractor	²⁰ Spud Date 5/20/02	
	N		6847' N					rooram			, 10, 01
					d Casing an				G 1: -f.C	E	stimated TOC
Hole	Size	Casir	ng Size	Casing	g weight/foot	Setting Depth Sacks of Ce			Sacks of Cem	ent E	stimated TOC
NO CH	ANGE					-					
						ļ					
		<u> </u>									
22 Describe the		aram If this	nnligation is	to DEEDE	J or PLUG BAC	'K oiv	e the data	on the pre	esent productive z	one and proposed	new productive zone.
Describe the blo						, B.			F		•
See Attach				311107141 31100	is it neversury.						
Kick Off P	oint 425	6'-4262'									
								s- A	nnroval		
				Per	mit Expire	95 1 Sec [Nest i Nation	rrom M Clinde	rwav		
					mit Expire Date Unie	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,)	;		F +	
						Hor	12onla	レー		•	
²³ I hereby cert	ify that the in	formation giv	en above is	true and co	mplete to the			OIL C	ONSERVA	TION DIVIS	ION
best of my know	wledge and b	γ/.	_			Ann	oved by:		ODIO	INAL CICNET) R V
Signature:	Mura)	Drinn	w_			Appi	oved by:		_	INAL SIGNET AUL F. KAUT	
Printed name:	Laura Ski	nner				Title	:		• •	OLEUM ENGI	
Title:	Regulator	y Speciali	ist			Appı	roval Date	řin.		Expiration Date:	

Approval Date: 9 2002

Attached ___

PROPOSED WORK

PRODUCTION HOLE:

- 1) MIRU pulling unit. TOOH with rods, pump and tubing.
- 2) TIH with 4-3/4" bit to TD of 4810'. TIH with casing scraper to 4300' (bottom of casing at 4311'). TOOH.
- 3) On wireline, trip in hole and set a 5-1/2" CIBP at 4268' (Shoe joint at 4316', float collar at 4274' to 4276', collars at 4233' and 4194'+).
- 4) Test CIBP to 500 psi. TIH and reverse circulate wellbore clean (top of window 4256' and bottom of window 4262'). TOOH and lay down tubing. RDMO pulling unit.
- MIRU horizontal rig. TIH with dummy mills and tag top of CIBP and make correction. Strap the pipe going in the hole. This measurement will be used when setting the whipstock. Accuracy is very important. Check the strap with the wire line measurement. TOOH.
- TIH with bottom set retrievable Trackmaster whipstock, orientation sub and drill pipe. Stop at a point 5-10' above the CIBP and run a gyro. Take a gyro reading to determine the direction of the whipstock face. Rotate the pipe as needed to achieve the required direction (azimuth 89.62 degrees). Lower the pipe to within one foot of the CIBP and take another gyro reading. Rotate pipe again, if necessary, to obtain the required direction. This step may need to be made several times until confident the whipstock is oriented in the proper direction. Pull the gyro to surface, recording the orientation of the wellbore.
- 7) Lower the drill pipe to set the whipstock. The weight indicator will jump indicating the plunger shear pin is sheared and the whipstock is set. Continue setting down to shear the mill bolt. The weight indicator will jump, indicating the bolt is sheared.
- Pick up the power swivel and begin circulating. Pick up the drill pipe until the mill has cleared the whipstock and start rotation. Lower the drill pipe slowly until the torque gauge suggest the mill is contacting the casing. Adjust weight and speed until satisfied with the penetration rate. Resume milling operations and mill until the complete assembly has cleared the casing. Pick up and lower the string several times without rotation to assure a good clean window has been obtained. Circulate the hole clean. TOOH.

9) Inspect the mill on the surface. If mills are 1/8" or less out of gauge, run drilling assembly instead of making an extra mill run.

HORIZONTAL PRODUCTION HOLE:

- 1. Rig up Scientific Drilling Company and Advance mud loggers. Adjust plan to target as necessary. Trip in the hole with Scientific Drilling's curve building assembly. This will be a 4-3/4" insert bit, 3-3/4" PDM, float sub/orienter combo, 2-flexible monel collars and 2-7/8" AOH drill pipe or other assembly as recommended by SDI.
- 2. Drill a tangent section at 5 degrees inclination to 4561' TVD. Build curve to estimated target depths and angles as follows:

True Vertical Depth	4671'
Measured Depth	4741'
Final Angle	90 degrees
Target Azimuth	89.62 degrees
Build Rate	47.55 degrees/100'

Drill the curve sliding as necessary to stay on target. It is recommended that after each slide, the bit be pulled back and washed through the slide. Once the curve is built, rotate through the curve section noting tight spots and fill. Make at least one short trip prior to tripping out of the hole.

- 3. Trip in the hole with Scientific Drilling's lateral assembly. This will be a 4-3/4" bit, 3-3/4" motor, float sub/orienter combo, 2 flexible monel collars and 2-7/8" AOH drill pipe or other assembly as recommended by SDI.
- 4. Drill ±2106' lateral. The end point will be ±6847' MD, ±4603' TVD and ±2250' vertical section per the attached Scientific well plan. Continue drilling the lateral per the Asset Team (Russell Pool 915-687-7417 or Greg Hinterlong 915-687-7236) recommendations.
- 5. Trip out of the hole with the drilling assembly, laying down all but approximately 4400' of 2-7/8" drill pipe.
- 6. TIH with whipstock hook and retrieve the whipstock.
- 7. TIH and set a retrievable bridge plug <u>+</u>4200'. TOOH and lay down the remaining drill pipe.
- 8. Nipple down the BOP stack. Release the rig. Rig down and move out rotary tools.

POTENTIAL PROBLEMS

Horizontal Production hole:

- a) The horizontal lateral will be drilled with fresh water.
- b) H2S detection equipment is to be installed.
- c) Loss circulation material and/or other plugging agents are not to be used in this portion of the hole.

MUD PROGRAM

<u>Interval</u>	<u>Type</u>	Weight	<u>Viscosity</u>	Remarks
Curve	Fresh Water	8.4 ppg	35	Raise visc. with starch and gel
Horizontal	Fresh Water	8.4-9.0 ppg	28-29	Circulate reserve

EVALUATION PROGRAM

Coring:

No cores are anticipated.

Mud Loggers:

Advance mud loggers, 505-270-4926, will be rigged from the start of the curve to total depth.

Open Hole Logs:

The following open hole logs will be run in the vertical section of the well:

Run 1: Gyro from +/-4250' to surface for determination of bottom hole location.

The guidance system in the curve and horizontal sections of the hole will consist of a MWD system.

No electric logs will be run in the lateral.

CASING PROPERTIES

KB - 4013.2', GL - 4008', TD 4810' (Open hole)

		BURS	T	COLL	APSE	TEST
DEPTH	PIPE	Rated	(75%)	Rated	(75%)	PRESSURE
0-1650'	8-5/8", 28#, H-40	2470	1850	1640	1230	1000
0-4311'	5-1/2", 15.5#, J-55	4810	3600	4040	3030	800

Squeeze perforations at 1675'.

Casing collars: 4194'+, 4233' Float Collar 4274' – 4276'

Shoe 4316'

Note: Collars and shoe taken off of 8/21/2000 log, casing shoe is 5' deeper on this log then the original reported shoe depth of 4311'.





Scientific Drilling Intl.

Planning Report

Field:

Company: ChevronTexaco

Vacuum Grayburg San Andres Unit(NAD 83)

Site:

VGSAU #7H

Well: Wellpath: 1

Lea County, New Mexico

Vertical (TVD) Reference: Section (VS) Reference:

Date: 5/1/2002 Time: 10:11:40 Co-ordinate(NE) Reference: Well: VGSAU #7H, Grid North

Page:

SITE 0.0

Site (0.00N,0.00E,89.62Azi)

Plan #2

Vacuum Grayburg San Andres Unit(NAD 83)

Map System: US State Plane Coordinate System 1983

Geo Datum: GRS 1980 Sys Datum: Mean Sea Level Map Zone:

New Mexico, Eastern Zone

Coordinate System: Geomagnetic Model:

igrf2000

Lea County, New Mexico

Site Position: Geographic From: Position Uncertainty:

0.0 ft 0.0 ft

668354.38 ft Northing: 848497.42 ft Easting:

Height

+N/-S

0.0

ft

Latitude: Longitude:

0.000 N 32 50 59.999 W

North Reference: Grid Convergence:

Grid 0.54 deg

0.0 ft

VGSAU #7H Well:

> +N/-S +E/-W

> > SITE

0.0 ft Northing: 0.0 ft Easting: Position Uncertainty: 0.0 ft

668354.38 ft 848497.42 ft

Latitude: Longitude:

Slot Name:

32 49 59.999 N 19 59.999 W

Surface

Wellpath: 1

Current Datum:

Magnetic Data:

Field Strength:

Vertical Section:

Well Position:

Ground Level:

4/11/2002

Depth From (TVD)

4603.0

50063 nT

Drilled From: 0.0 ft

Tie-on Depth: Above System Datum: Declination: Mag Dip Angle:

Mean Sea Level 8.68 deg 61.07 deg Direction deg

ft 0.0

89.62 4/11/2002

Principal:

Plan:

Plan #2

Date Composed: Version:

Tied-to:

+E/-W

User Defined

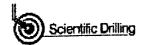
Plan Section Information

MD	Incl	Azim	TVD ft	+N/-S ft	+E/-W	DLS dea/100f	Build t deg/100ft	Turn deg/100ft	TFO deg	Target
ft	deg	deg	4000.0	0.0	0.0	0.00	0.00	0.00	0.00	
4000.0	0.00	0.00		0.0	0.0	0.00	0.00	0.00	0.00	1
4256.0	0.00	0.00	4256.0	0.0	1.4	16.00	16.00	0.00	89.62	
4287.2	5.00	89.62	4287.2		25.3	0.00	0.00	0.00	0.00	
4562.1	5.00	89.62	4561.0	0.2	145.4	47.55	47.55	0.00	0.00	
4740.9	90.00	89.62	4671.0	1.0	147.7	16.00	16.00	0.00	-0.01	
4743.2	90.38	89.62	4671.0	1.0	600.0	0.00	0.00	0.00	0.00	600-7h
5195.5	90.38	89.62	4668.0	4.0	618.6	16.00	16.00	0.00	0.01	
5214.1	93.36	89.62	4667.4	4.1	1000.0	0.00	0.00	0.00	0.00	1000-7h
5596.2	93.36	89.62	4645.0	6.6	1012.6	16.00	-16.00	-0.01	-179.97	
5608.8	91.35	89.62	4644.5	6.7		0.00	0.00	0.00	0.00	1500-7h
6096.4	91.35	89.62	4633.0	9.9	1500.0	16.00	16.00	0.00	0.01	
6106.0	92.89	89.62	4632.6	10.0	1509.6		0.00	0.00	0.00	1800-7h
6396.7	92.89	89.62	4618.0	11.9	1800.0	0.00	-16.00	0.00	-180.00	1000 /
6402.9	91.90	89.62	4617.7	12.0	1806.2	16.00	0.00	0.00	0.00	2100-7h
6696.9	91.90	89.62	4608.0	13.9	2100.0	0.00		0.00	0.00	2,00
6697.0	91.90	89.62	4608.0	13.9	2100.1	0.00	0.00		0.00	2250-7h
6847.0	91.90	89.62	4603.0	14.9	2250.0	0.00	0.00	0.00	<u> </u>	2230-711

Section 1: Start Hold

MD	Incl	Azim	TVD	+N/-S	+E/-W	VS	DLS	Build	Turn	TFO
ft	deg	deg	ft	ft	ft	ft	deg/100ft	deg/100f	deg/100ft	deg
4000.0	0.00	0.00	4000.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
4100.0	0.00	0.00	4100.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
4200.0	0.00	0.00	4200.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00
4256.0	0.00	0.00	4256.0	0.0	0.0	0.0	0.00	0.00	0.00	0.00





Scientific Drilling Intl. Planning Report

Field: \ Site:	_ea County, √GSAU #71	ayburg San A , New Mexico	Andrés Unit(N	AD 83)	Co- Ver	tical (TVD) tion (VS) Re) Reference: Reference:	SITE 0.0	SAU #7H, (age: 3
Section 8	: Start Hold	<u> </u>						D 11.1	· · · · · ·	TFO	
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	deg	
5500.0 5596.2	93.36 93.36	89.62 89.62	4650.6 4645.0	6.0 6.6	904.0 1000.0	904.0 1000.0	0.00 0.00	0.00 0.00	0.00 0.00	180.00 180.00	
Section 9	: Start DLS	6 16.00 TFO	-179.97								
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W	VS ft	DLS deg/100ft	Build deg/100ft	Turn deg/100ft	TFO deg	
5600.0	92.75	89.62	4644.8	6.7	1003.8	1003.8	16.00 16.00	-16.00 -16.00	-0.01 -0.01	-179.97 -179.97	
5608.8	91.35	89.62	4644.5	6.7	1012.6	1012.6	16.00	-16.00		-175.57	
Section 10	: Start Hole	d					DI C	Build	Turn	TFO	
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	deg/100ft	deg/100ft	deg	
5700.0	91.35	89.62	4642.3	7.3	1103.8	1103.8 1203.8	0.00 0.00	0.00 0.00	0.00 0.00	0.00 0.00	
5800.0	91.35	89.62 89.62	4640.0 4637.6	8.0 8.6	1203.7 1303.7	1303.7	0.00	0.00	0.00	0.00	
5900.0 6000.0	91.35 91.35	89.62 89.62	4637.6	9.3	1403.7	1403.7	0.00	0.00	0.00	0.00	
6096.4	91.35	89.62	4633.0	9.9	1500.0	1500.0	0.00	0.00	0.00	0.00	
Section 11	: Start Bui	ld 16.00				***	DIC	Build	Turn	TFO	
MD ft	Incl deg	Azim deg	TVD ft	+N/-S ft	+E/-W ft	VS ft	DLS deg/100ft	deg/100ft		deg	
11	acg				1503.6	1503.7	16.00	16.00	0.00	0.01	
6100.0	91.93	89.62	4632.9 4632.6	10.0 10.0		1509.6	16.00	16.00	0.00	0.01	
6106.0	92.89	89.62	4632.9 4632.6	10.0	1509.6					0.01	
6106.0 Section 12		89.62		10.0 +N/-S	1509.6 +E/-W	1509.6 VS	16.00 DLS	16.00 Build	0.00	TFO	
6106.0	92.89 : Start Hol	89.62 d	4632.6 TVD ft	10.0 +N/-S ft	1509.6 +E/-W ft	1509.6 VS ft	16.00 DLS deg/100ft	16.00 Build deg/100ft	0.00 Turn deg/100ft	TFO deg	
6106.0 Section 12 MD	92.89 : Start Hol	89.62 d Azim	4632.6 TVD	10.0 +N/-S	1509.6 +E/-W	VS ft 1603.6	16.00 DLS	16.00 Build	0.00	TFO	
6106.0 Section 12 MD ft 6200.0 6300.0	92.89 : Start Hol Incl deg 92.89 92.89	89.62 d Azim deg 89.62 89.62	4632.6 TVD ft 4627.9	+N/-S ft 10.6	1509.6 +E/-W ft 1603.5	VS ft 1603.6	DLS deg/100ft	Build deg/100ft 0.00 0.00	0.00 Turn deg/100ft 0.00	TFO deg 0.00 0.00	
6106.0 Section 12 MD ft 6200.0 6300.0 Section 13	92.89 : Start Hol Incl deg 92.89 92.89 92.89 is: Start Dro	89.62 d Azim deg 89.62 89.62 op -16.00 Azim	4632.6 TVD ft 4627.9 4622.9	10.0 +N/-S ft 10.6 11.3 +N/-S	1509.6 +E/-W ft 1603.5	VS ft 1603.6	DLS deg/100ft 0.00 0.00	Build deg/100ft 0.00 0.00	0.00 Turn deg/100ft 0.00	TFO deg 0.00 0.00	
6106.0 Section 12 MD ft 6200.0 6300.0 Section 13 MD ft 6396.7	92.89 : Start Hol Incl deg 92.89 92.89 : Start Dro Incl deg 92.89	89.62 d Azim deg 89.62 89.62 op -16.00 Azim deg 89.62	TVD ft 4627.9 4622.9 TVD ft 4618.0	10.0 +N/-S ft 10.6 11.3 +N/-S ft 11.9	1509.6 +E/-W ft 1603.5 1703.4 +E/-W ft 1800.0	1509.6 VS ft 1603.6 1703.4 VS ft 1800.0	DLS deg/100ft 0.00	Build deg/100ft 0.00 0.00 Build deg/100ft 0.00	Turn deg/100ft 0.00 0.00 Turn deg/100ft 0.00	TFO deg 0.00 0.00	
6106.0 Section 12 MD ft 6200.0 6300.0 Section 13 MD ft 6396.7 6400.0	92.89 : Start Hol Incl deg 92.89 92.89 : Start Dro Incl deg 92.89 92.36	89.62 d Azim deg 89.62 89.62 pp-16.00 Azim deg 89.62 89.62	4632.6 TVD ft 4627.9 4622.9 TVD ft	10.0 +N/-S ft 10.6 11.3 +N/-S ft	1509.6 +E/-W ft 1603.5 1703.4 -	1509.6 VS ft 1603.6 1703.4 VS ft	DLS deg/100ft 0.00 0.00	Build deg/100ft Build deg/100ft Build deg/100ft	0.00 Turn deg/100ft 0.00 0.00 Turn deg/100ft	TFO deg 0.00 0.00 TFO deg 0.00	
6106.0 Section 12 MD ft 6200.0 6300.0 Section 13 MD ft 6396.7 6400.0 Section 14	92.89 : Start Hol Incl deg 92.89 92.89 : Start Dro Incl deg 92.89 92.36 : Start Hol	89.62 d Azim deg 89.62 89.62 ap -16.00 Azim deg 89.62 89.62 dd	TVD ft 4627.9 4622.9 TVD ft 4618.0 4617.9	+N/-S ft 10.6 11.3 +N/-S ft 11.9 12.0	1509.6 +E/-W ft 1603.5 1703.4 +E/-W ft 1800.0 1803.3	VS ft 1603.6 1703.4 VS ft 1800.0 1803.3	DLS deg/100ft 0.00 . 0.	Build deg/100ft 0.00 0.00 Build deg/100ft 0.00 -16.00 Build	Turn deg/100ft 0.00 0.00 Turn deg/100ft 0.00 0.00 Turn droid deg/100ft 0.00 0.00	TFO deg 0.00 0.00 TFO deg 0.00 -180.00	
6106.0 Section 12 MD ft 6200.0 6300.0 Section 13 MD ft 6396.7 6400.0	92.89 : Start Hol Incl deg 92.89 92.89 : Start Dro Incl deg 92.89 92.36	89.62 d Azim deg 89.62 89.62 pp-16.00 Azim deg 89.62 89.62	TVD ft 4627.9 4622.9 TVD ft 4618.0	10.0 +N/-S ft 10.6 11.3 +N/-S ft 11.9	1509.6 +E/-W ft 1603.5 1703.4 +E/-W ft 1800.0	1509.6 VS ft 1603.6 1703.4 VS ft 1800.0	DLS deg/100ft 0.00 . 0.	Build deg/100ft 0.00 0.00 Build deg/100ft 0.00 -16.00 Build deg/100ft	Turn deg/100ft 0.00 0.00 Turn deg/100ft 0.00 0.00 Turn deg/100ft deg/100ft	TFO deg 0.00 0.00 TFO deg 0.00 -180.00 TFO deg	
6106.0 Section 12 MD ft 6200.0 6300.0 Section 13 MD ft 6396.7 6400.0 Section 14 MD ft	92.89 : Start Hol Incl deg 92.89 92.89 92.89 i: Start Dro Incl deg 92.89 92.36 i: Start Hol Incl	89.62 d Azim deg 89.62 89.62 pp-16.00 Azim deg 89.62 89.62 dd Azim	TVD ft 4627.9 4622.9 TVD ft 4618.0 4617.9	+N/-S ft 10.6 11.3 +N/-S ft 11.9 12.0 +N/-S ft 12.0	1509.6 +E/-W ft 1603.5 1703.4 +E/-W ft 1800.0 1803.3 +E/-W ft 1806.2	VS ft 1603.6 1703.4 VS ft 1800.0 1803.3 VS ft 1806.2	DLS deg/100ft 0.00 0.00 DLS deg/100ft 0.00 16.00 DLS deg/100ft 16.00	Build deg/100ft 0.00 0.00 Build deg/100ft 0.00 -16.00 Build deg/100ft -16.00	Turn deg/100ft 0.00 0.00 Turn deg/100ft 0.00 0.00 Turn deg/100ft 0.00 0.00	TFO deg 0.00 0.00 TFO deg 0.00 -180.00 TFO deg -180.00	
6106.0 Section 12 MD ft 6200.0 6300.0 Section 13 MD ft 6396.7 6400.0 Section 14 MD	92.89 : Start Hol Incl deg 92.89 92.89 92.89 i: Start Dro Incl deg 92.89 92.36 i: Start Hol Incl deg 91.90 91.90	89.62 d Azim deg 89.62 89.62 ap -16.00 Azim deg 89.62 89.62 dd Azim deg 89.62 89.62 89.62	TVD ft 4627.9 4622.9 TVD ft 4618.0 4617.9 ft 4617.7 4614.5	+N/-S ft 10.6 11.3 +N/-S ft 11.9 12.0 +N/-S ft 12.0 12.6	1509.6 +E/-W ft 1603.5 1703.4 +E/-W ft 1800.0 1803.3 +E/-W ft 1806.2 1903.2	VS ft 1603.6 1703.4 VS ft 1800.0 1803.3 VS ft 1806.2 1903.2	DLS deg/100ft 0.00 0.00 DLS deg/100ft 0.00 16.00 DLS deg/100ft 0.00 16.00	Build deg/100ft 0.00 0.00 Build deg/100ft 0.00 -16.00 Build deg/100ft -16.00 0.00	Turn deg/100ft 0.00 0.00 Turn deg/100ft 0.00 0.00 Turn deg/100ft 0.00 0.00	TFO deg 0.00 0.00 TFO deg 0.00 -180.00 deg -180.00 0.00 0.00 0.00	
6106.0 Section 12 MD ft 6200.0 6300.0 Section 13 MD ft 6396.7 6400.0 Section 14 MD ft 6402.9	92.89 : Start Hol Incl deg 92.89 92.89 92.89 i: Start Dro Incl deg 92.89 92.36 : Start Hol Incl deg 91.90	89.62 d Azim deg 89.62 89.62 ap -16.00 Azim deg 89.62 89.62 dd Azim deg 89.62 89.62	TVD ft 4627.9 4622.9 TVD ft 4618.0 4617.9 TVD ft 4617.7	+N/-S ft 10.6 11.3 +N/-S ft 11.9 12.0 +N/-S ft 12.0	1509.6 +E/-W ft 1603.5 1703.4 +E/-W ft 1800.0 1803.3 +E/-W ft 1806.2	VS ft 1603.6 1703.4 VS ft 1800.0 1803.3 VS ft 1806.2	DLS deg/100ft 0.00 0.00 DLS deg/100ft 0.00 16.00 DLS deg/100ft 16.00	Build deg/100ft 0.00 0.00 Build deg/100ft 0.00 -16.00 Build deg/100ft -16.00	Turn deg/100ft 0.00 0.00 Turn deg/100ft 0.00 0.00 Turn deg/100ft 0.00 0.00	TFO deg 0.00 0.00 TFO deg 0.00 -180.00 TFO deg -180.00	
6106.0 Section 12 MD ft 6200.0 6300.0 Section 13 MD ft 6396.7 6400.0 Section 14 MD ft 6402.9 6500.0 6600.0	92.89 : Start Hol Incl deg 92.89 92.89 92.89 i: Start Dro Incl deg 92.89 92.36 i: Start Hol Incl deg 91.90 91.90 91.90 91.90 5: Start Ho	89.62 d Azim deg 89.62 89.62 p-16.00 Azim deg 89.62 89.62 89.62 dd Azim deg 89.62 89.62	TVD ft 4627.9 4622.9 TVD ft 4618.0 4617.9 ft 4617.7 4614.5 4611.2	10.0 +N/-S ft 10.6 11.3 +N/-S ft 11.9 12.0 +N/-S ft 12.0 12.6 13.3	1509.6 +E/-W ft 1603.5 1703.4 +E/-W ft 1800.0 1803.3 +E/-W ft 1806.2 1903.2 2003.1	VS ft 1603.6 1703.4 VS ft 1800.0 1803.3 VS ft 1806.2 1903.2 2003.2	DLS deg/100ft 0.00 0.00 DLS deg/100ft 0.00 16.00 DLS deg/100ft 0.00 0.00 0.00	Build deg/100ft 0.00 0.00 Build deg/100ft 0.00 -16.00 Build deg/100ft deg/100ft -16.00 0.00 0.00	Turn deg/100ft 0.00 0.00 Turn deg/100ft 0.00 0.00 Turn deg/100ft 0.00 0.00 0.00 0.00	TFO deg 0.00 0.00 TFO deg 0.00 -180.00 deg -180.00 0.00 0.00 0.00	
6106.0 Section 12 MD ft 6200.0 6300.0 Section 13 MD ft 6396.7 6400.0 Section 14 MD ft 6402.9 6500.0 6600.0 Section 15 MD	92.89 : Start Hol Incl deg 92.89 92.89 92.89 92.36 : Start Dro Incl deg 92.89 92.36 : Start Hol Incl deg 91.90 91.90 91.90 5: Start Ho	89.62 d Azim deg 89.62 89.62 p-16.00 Azim deg 89.62 89.62 d Azim deg 89.62 89.62 89.62	TVD ft 4627.9 4622.9 TVD ft 4618.0 4617.9 ft 4617.7 4614.5	+N/-S ft 10.6 11.3 +N/-S ft 11.9 12.0 +N/-S ft 12.0 12.6	1509.6 +E/-W ft 1603.5 1703.4 +E/-W ft 1800.0 1803.3 +E/-W ft 1806.2 1903.2	VS ft 1603.6 1703.4 VS ft 1800.0 1803.3 VS ft 1806.2 1903.2	DLS deg/100ft 0.00 0.00 DLS deg/100ft 0.00 16.00 DLS deg/100ft 16.00 0.00 0.00 0.00	Build deg/100ft 0.00 0.00 Build deg/100ft 0.00 -16.00 Build deg/100ft 0.00 0.00 0.00 Build deg/100ft 0.00 0.00 0.00 Build	Turn deg/100ft 0.00 0.00 Turn deg/100ft 0.00 0.00 Turn deg/100ft 0.00 0.00	TFO deg 0.00 0.00 TFO deg 0.00 -180.00 0.00 0.00 0.00 0.00 0.00 0.00 TFO	
6106.0 Section 12 MD ft 6200.0 6300.0 Section 13 MD ft 6396.7 6400.0 Section 14 MD ft 6402.9 6500.0 6600.0 Section 15 MD ft	92.89 : Start Hol Incl deg 92.89 92.89 92.89 i: Start Dro Incl deg 92.89 92.36 i: Start Hol Incl deg 91.90 91.90 91.90 91.90 5: Start Ho Incl deg	89.62 d Azim deg 89.62 89.62 ap -16.00 Azim deg 89.62 89.62 dd Azim deg 89.62 89.62 ld Azim deg 89.62 89.62 ld Azim deg	TVD ft 4627.9 4622.9 TVD ft 4617.9 TVD ft 4617.7 4614.5 4611.2 TVD ft	10.0 +N/-S ft 10.6 11.3 +N/-S ft 11.9 12.0 +N/-S ft 12.0 12.6 13.3	1509.6 +E/-W ft 1603.5 1703.4 +E/-W ft 1800.0 1803.3 +E/-W ft 1806.2 1903.2 2003.1 +E/-W ft	1509.6 VS ft 1603.6 1703.4 VS ft 1800.0 1803.3 VS ft 1806.2 1903.2 2003.2	DLS deg/100ft 0.00 0.00 DLS deg/100ft 0.00 16.00 DLS deg/100ft 16.00 0.00 0.00 DLS deg/100ft 16.00 0.00 0.00	Build deg/100ft 0.00 0.00 Build deg/100ft 0.00 -16.00 Build deg/100ft -16.00 0.00 0.00 Build deg/100ft -10.00	Turn deg/100ft 0.00 0.00 Turn deg/100ft 0.00 0.00 Turn deg/100ft 0.00 0.00 Turn deg/100ft 0.00 0.00 0.00	TFO deg 0.00 -180.00 TFO deg -180.00 0.00 0.00 TFO deg 0.00 0.00 0.00 0.00 TFO deg 0.00 0.00 deg 0.00 0.00	
6106.0 Section 12 MD ft 6200.0 6300.0 Section 13 MD ft 6396.7 6400.0 Section 14 MD ft 6402.9 6500.0 6600.0 Section 15 MD	92.89 : Start Hol Incl deg 92.89 92.89 92.89 92.36 : Start Dro Incl deg 92.89 92.36 : Start Hol Incl deg 91.90 91.90 91.90 5: Start Ho	89.62 d Azim deg 89.62 89.62 pp-16.00 Azim deg 89.62 89.62 89.62 dd Azim deg 89.62 89.62 dd Azim deg 89.62 89.62	TVD ft 4627.9 4622.9 TVD ft 4618.0 4617.9 TVD ft 4614.5 4611.2	10.0 +N/-S ft 10.6 11.3 +N/-S ft 11.9 12.0 +N/-S ft 12.0 12.6 13.3	1509.6 +E/-W ft 1603.5 1703.4 +E/-W ft 1800.0 1803.3 +E/-W ft 1806.2 1903.2 2003.1	VS ft 1603.6 1703.4 VS ft 1800.0 1803.3 VS ft 1806.2 1903.2 2003.2 VS ft	DLS deg/100ft 0.00 0.00 DLS deg/100ft 0.00 16.00 DLS deg/100ft 16.00 0.00 0.00 DLS deg/100ft	Build deg/100ft 0.00 0.00 Build deg/100ft 0.00 -16.00 Build deg/100ft -16.00 0.00 0.00 Build deg/100ft	Turn deg/100ft 0.00 0.00 Turn deg/100ft 0.00 0.00 Turn deg/100ft 0.00 0.00 Turn deg/100ft 0.00 0.00 0.00	TFO deg 0.00 0.00 TFO deg -180.00 0.00 0.00 TFO deg -180.00 0.00 0.00 0.00 deg	
6106.0 Section 12 MD ft 6200.0 6300.0 Section 13 MD ft 6396.7 6400.0 Section 14 MD ft 6402.9 6500.0 6600.0 Section 15 MD ft 6696.9 6697.0	92.89 : Start Hol Incl deg 92.89 92.89 92.89 i: Start Dro Incl deg 92.89 92.36 i: Start Hol Incl deg 91.90 91.90 91.90 incl deg 91.90 91.90 91.90 91.90	89.62 d Azim deg 89.62 89.62 89.62 p-16.00 Azim deg 89.62 89.62 dd Azim deg Azim deg 89.62 89.62 89.62 89.62 89.62 89.62 89.62 89.62	TVD ft 4627.9 4622.9 TVD ft 4618.0 4617.9 TVD ft 4614.5 4611.2 TVD ft 4608.0	+N/-S ft 10.6 11.3 +N/-S ft 11.9 12.0 +N/-S ft 12.0 12.6 13.3	1509.6 +E/-W ft 1603.5 1703.4 +E/-W ft 1800.0 1803.3 +E/-W ft 1806.2 1903.2 2003.1 +E/-W ft 2100.0 2100.1	1509.6 VS ft 1603.6 1703.4 VS ft 1800.0 1803.3 VS ft 1806.2 1903.2 2003.2 VS ft 2100.0 2100.1	DLS deg/100ft 0.00 0.00 DLS deg/100ft 0.00 16.00 DLS deg/100ft 16.00 0.00 0.00 DLS deg/100ft 16.00 0.00 0.00	Build deg/100ft 0.00 -16.00 Build deg/100ft deg/100ft deg/100ft deg/100ft -16.00 0.00 0.00 Build deg/100ft	Turn deg/100ft 0.00 0.00	TFO deg 0.00 -180.00 TFO deg -180.00 0.00 0.00 TFO deg 0.00 0.00 0.00 0.00 deg 0.00 0.00 0.00 0.00 0.00 0.00 0.00 0.	
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WELL DATA SHEET

4/11/2002 **Grayburg San Andres** DATE: Vacuum Grayburg San Andres Unit WELL: 7 Formation LEASE: STATUS: Oil Producer 4008 GĿ 2 & 1987 'F W L 686 'F S L SEC: LOC: API NO: 30-025-02277 4013 KB: TOWNSHIP: 185 CNTY: Lea 4013 DF: NM 8T: **34E** UNIT: RANGE: 10/30/1951 Date Completed: 30 BOPD, 0 BWPD, 0 MCF initial Production: Grayburg San Andres Initial Formation: 4311' to 4710' FROM: Completion Data 8-5/8" (11" hole) OD 4311to 4710 open hote frac w/ gelled brine (No sand) 28 # CSG 900 Set @ 1650' W/ Subsequent Workover or Reconditioning: Cmt circ.? yes 9/04/00 (Last Workover) TOC & surf by Deepened from 4710 to 4810 (4-3/4 " hole). Acidized. 5-1/2 OD (7-7/8" hole) 15 1/2 # CSG 4311 W/ 500 SX Set @ Cmt circ.? no TOC @ 2921 by Est. Current Production
10 bopd Date: ###### 100 bwpd 26 gas Rod Pump SHOE 4316 COLLAN 4274 SET CIEPN 4268 WHIP/WHAM 4262 4-3/4 " Open Hole 4311-4810

DISTRICT I

P.O. Box 1980, Hobbs, NM 88241-1980

DISTRICT II

P.O. Box Drawer DD, Artesia, NM 88211-0719

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

DISTRICT IV

P.O. Box 2088, Santa Fe, NM 87504-2088

State of New Mexico Energy, Minerals and Natural Resources Document

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

Form C-10 Revised February 10,199 Instructions on back Submit to Appropriate District Offic State Lease - 4 Copie

Fee Lease - 3 Copie

☐ AMENDED REPORT

WELL LOCATION AND ACREAGE DEDICATION PLAT

1 API Number	² Pool Code	³ Pool Nam	e
30-025-02277	62180	Vacuum Grayburg San Andre	es
Property Code	⁵ Po Vacuum Grayburg San	operty Name Andres Unit	⁶ Well No. 7H
OGRID Number 022351	8 C	perator Name ATION & PRODUCTION INC.	Elevation 14008

¹⁰ Surface Location

Ul or lot no Section	n Township	Range	Lot.ldn	Feet From The	North/South Line	Feet From The	East/West Line	County
N 2	18-S	34-E		666'	South	1987 '	West	Lea

Bottom Hole Location If Different From Surface

Ul or lot no Section	Township 18-S	Range 34-E	Lot.ldn	Feet From The 681 *	North/South Line South	Feet From The 943	East/West Line East	County Lea
120	Joint or Infill	14 C	onsolidation	Code 15 Ore	der No.			

NO ALLOWABLE WILL BE ASSIGNED TO THIS COMPLETION UNTIL ALL INTERESTS HAVE BEEN CONSOLIDATED OR A NON-STANDARD UNIT HAS BEEN APPROVED BY THE DIVISION

