

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-105
WELL FILE Revised 1-1-89

WELL API NO. 30-025-31872	
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil & Gas Lease No. B-2317-A	
7. Lease Name or Unit Agreement Name VACUUM GLORIETA WEST UNIT	
8. Well No. 77	
9. Pool name or Wildcat VACUUM GLORIETA	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER WATER INJECTION		7. Lease Name or Unit Agreement Name VACUUM GLORIETA WEST UNIT	
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DFF RESVR ☐ OTHER			
2. Name of Operator TEXACO EXPLORATION AND PRODUCTION INC.		8. Well No. 77	
3. Address of Operator P. O. Box 3109, Midland, Texas 79702		9. Pool name or Wildcat VACUUM GLORIETA	
4. Well Location Unit Letter <u>I</u> : <u>2569</u> Feet From The <u>SOUTH</u> Line and <u>1226</u> Feet From The <u>EAST</u> Line Section <u>35</u> Township <u>17-SOUTH</u> Range <u>34-EAST</u> NMPM LEA County			
10. Date Spudded 06-10-93	11. Date T.D. Reached 06-18-93	12. Date Compl. (Ready to Prod.) 06-25-93	13. Elevations (DF & RKB, RT, GR, etc.) GR-4010', KB-4024'
14. Elev. Casinghead 4010'			
15. Total Depth 6315'	16. Plug Back T.D. 6248'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools 0 - 6315'
19. Producing Interval(s), of this completion - Top, Bottom, Name 5911' - 6020'; GLORIETA			20. Was Directional Survey Made YES
1. Type Electric and Other Logs Run GR-DLL-MSFL, GR-DSN-SDL-CAL			22. Was Well Cored NO

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	1550'	11	CL-C 650 SX, CIRC. 58 SXS	
5 1/2	15.5# & 17#	6315'	7 7/8	CL-H 2480 SX, TOC @ 1990'	
				BY T.S., TOP OUT W/ 600	
				SX CL-H	

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8	5848'	5848'

26. Perforation record (interval, size, and number) 5911-5918, 5949-5968, 5985-6000, 6015-6020; 2 JSPF, 92 HOLES.	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	5911' - 6020'	ACID - 2000 GAL, 15% HCL

28. PRODUCTION							
Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)			Well Status (Prod. or Shut-in) SHUT-IN 56789			
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas/Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	

9. Disposition of Gas (Sold, used for fuel, vented, etc.)
Test Witnessed By: EDDIE WELBORN, Receiver, Texaco, Hobbs Area

30. List Attachments
DEVIATION SURVEY

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief.

Signature C.P. Basham / SDH Printed Name C.P. BASHAM Title DRLG. OPER. MGR. Date 06-29-93

UGWU #83

PHILLIPS
M E HALE NO. 9
API# 30025207810000

0 - 323' Cement 350 sx
0 - 323' 17.5" OD Openhole
0 - 323' 13.375" OD Surface Casing

323 - 3400' 12.25" OD Openhole
2500 - 3400' Cement 400 sx (CALC)
2700 - 10497' Cement 1090 sx (CALC)
0 - 3400' 9.625" OD Intermediate Casing

4353 - 4654' Abandoned Perfs

5914 - 6054' Perfs
6070 - 6299' CIBP (CMT CAP)

3400 - 10500' 8.75" OD Openhole

8444 - 9178' Cement Plug
9215 - 9220' Retainer
9500 - 9505' Packer

0 - 10497' 7" OD Production Casing
TD: 10500'

1980 FSL & 1785 FEL
SEC 35, TWN 17 S, RANGE 34 E
ELEVATION: 4013 GR
COMPLETION DATE: 06-10-64

COMPLETION INTERVAL: 5982 - 6004 (GLRT)
TRT: 1000 GALS ACID (5982 - 6004)
IP: 164 BOPD, 0 MCFD, 28 BHPD (FLOWING)

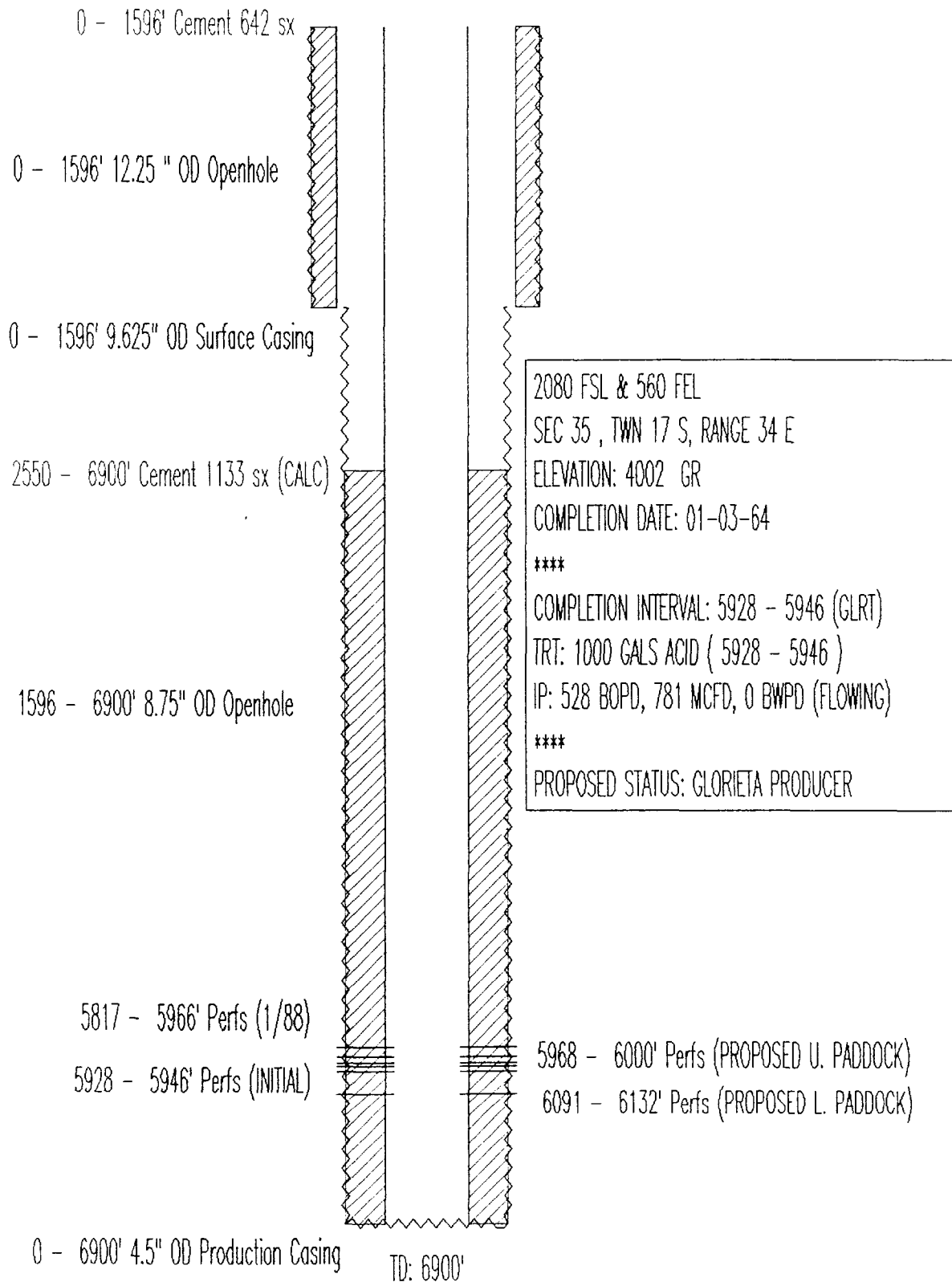
SECOND CMPL INTRVL: 9572 - 10134 (WFMP)
IP: 59 BOPD, 0 MCFD, 13 BHPD (PUMPING)

CURRENT STATUS: GLORIETA PRODUCER

8444 - 9178' Abandoned Perfs
9236 - 9294' Abandoned Perfs
9572 - 10134' Abandoned Perfs

VACUUM GLORIETA WEST UNIT 84
FORMER: PHILLIPS ME HALE #7
API# 3002520778

"PROPOSED WELLBORE DIAGRAM"



Submit to Appropriate
District Office
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DISTRICT I

State of New Mexico
Energy, Mining and Natural Resources Department

Form C-105
Revised 1-1-89

OIL CONSERVATION DIVISION

P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II

J. Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO.	30 025 20778
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lea	B-2317

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER <u>HORIZONTAL LATERAL</u>				7. Lease Name or Unit Agreement Name VACUUM GLORIETA WEST UNIT	
b. Type of Completion: NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RES. ☐ OTHER					
2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.				8. Well No. 84	
3. Address of Operator 205 E. Bender, HOBBS, NM 88240				9. Pool Name or Wildcat VACUUM GLORIETA	
4. Well Location Unit Letter <u>L</u> Section <u>35</u> Township <u>17S</u> Range <u>34E</u> NMPM <u>340</u> Feet From The <u>EAST</u> Line and <u>2080</u> Feet From The <u>SOUTH</u> Line <u>36</u> LEA COUNTY					
10. Date Spudded 6/25/98	11. Date T.D. Reached 7/5/98	12. Date Compl. (Ready to Prod.) 7/8/98	13. Elevations (DF & RKB, RT, GR, etc.) 4002'	14. Elev. Csghead	
15. Total Depth 6727'	16. Plug Back T.D. 6727'	17. If Mult. Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools	Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name 5804'-6727' O.H. UPPER PADDOCK				20. Was Directional Survey Made YES	
21. Type Electric and Other Logs Run CSG INSP LOG				22. Was Well Cored NO	

CASING RECORD (Report all Strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENT RECORD	AMOUNT PULLED
			No change		

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8"	6712'	
26. Perforation record (interval, size, and number) 5804-6727' O.H.					27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.		
					DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	
					5804-6727'	1000 GALS 15% HCL	

28. PRODUCTION							
Date First Production 7/15/98		Production Method (Flowing, gas lift, pumping - size and type pump) SUB PUMP				Well Status (Prod. or Shut-in) PROD	
Date of Test 7-21-98	Hours tested 24 HRS	Choke Size	Prod'n For Test Period	Oil - Bbl. 315	Gas - MCF 62	Water - Bbl. 516	Gas - Oil Ratio 193
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API -(Corr.)	
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD						Test Witnessed By	
30. List Attachment							

I hereby certify that the information on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNATURE J. Denise Leake TITLE Engineering Assistant DATE 7/31/98
TYPE OR PRINT NAME J. Denise Leake Telephone No. 397-0405



Lateral: 0		Proposed Direction: 90				Dog Leg Severity per: 100			feet
Measured Depth	Inclination	Azimuth	True Vertical Depth	North/South Coordinate	East/West Coordinate	Vertical Section	Dog Leg Severity	Survey Tool	
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00		
100	0.39	224.72	100.00	-0.24	-0.24	-0.24	0.39		
200	0.16	247.72	200.00	-0.53	-0.61	-0.61	0.25		
300	0.09	321.02	300.00	-0.53	-0.79	-0.79	0.16		
400	0.27	161.45	400.00	-0.69	-0.76	-0.76	0.36		
500	0.01	71.42	500.00	-0.91	-0.68	-0.68	0.27		
600	0.12	183.95	600.00	-1.01	-0.68	-0.68	0.12		
700	0.19	156.68	700.00	-1.27	-0.62	-0.62	0.10		
800	0.21	143.62	800.00	-1.57	-0.44	-0.44	0.05		
900	0.12	89.54	900.00	-1.71	-0.23	-0.23	0.17		
1000	0.08	66.10	1000.00	-1.69	-0.06	-0.06	0.06		
1100	0.30	45.33	1100.00	-1.47	0.19	0.19	0.23		
1200	0.30	76.02	1199.99	-1.23	0.63	0.63	0.16		
1300	0.37	330.16	1299.99	-0.88	0.72	0.72	0.54		
1400	0.58	129.32	1399.99	-0.92	0.95	0.95	0.94		
1500	0.64	106.34	1499.99	-1.40	1.88	1.88	0.25		
1600	0.28	94.93	1599.98	-1.58	2.66	2.66	0.37		
1700	0.43	91.14	1699.98	-1.61	3.28	3.28	0.15		
1800	0.43	88.22	1799.98	-1.60	4.03	4.03	0.02		
1900	0.45	71.07	1899.98	-1.46	4.77	4.77	0.13		
2000	0.37	91.96	1999.97	-1.35	5.47	5.47	0.17		
2100	0.77	74.44	2099.97	-1.18	6.44	6.44	0.43		
2200	0.31	76.93	2199.96	-0.94	7.35	7.35	0.46		
2300	0.57	88.54	2299.96	-0.86	8.11	8.11	0.27		
2400	0.70	79.30	2399.95	-0.74	9.21	9.21	0.17		
2500	0.83	16.03	2499.95	0.07	10.01	10.01	0.81		
2600	0.66	3.60	2599.94	1.34	10.24	10.24	0.23		
2700	0.95	353.68	2699.93	2.74	10.19	10.19	0.32		
2800	1.06	359.32	2799.91	4.49	10.09	10.09	0.15		
2900	1.27	355.99	2899.89	6.52	10.00	10.00	0.22		
3000	0.73	7.74	2999.88	8.26	10.01	10.01	0.57		
3100	0.82	359.49	3099.87	9.60	10.09	10.09	0.14		
3200	0.70	347.91	3199.86	10.92	9.95	9.95	0.19		
3300	0.64	19.38	3299.85	12.04	10.01	10.01	0.37		
3400	0.70	18.15	3399.85	13.15	10.38	10.38	0.06		
3500	0.56	358.84	3499.84	14.22	10.56	10.56	0.25		
3600	0.51	2.83	3599.84	15.15	10.58	10.58	0.06		
3700	0.65	20.26	3699.83	16.13	10.80	10.80	0.22		
3800	0.60	7.81	3799.82	17.18	11.06	11.06	0.14		
3900	0.51	54.67	3899.82	17.95	11.50	11.50	0.45		
4000	0.66	47.45	3999.81	18.60	12.28	12.28	0.17		
4100	0.74	74.59	4099.81	19.16	13.33	13.33	0.34		
4200	0.70	71.06	4199.80	19.53	14.53	14.53	0.06		
4300	0.59	69.81	4299.79	19.91	15.59	15.59	0.11		
4400	0.64	90.12	4399.79	20.09	16.63	16.63	0.22		
4500	1.05	78.01	4499.78	20.27	18.09	18.09	0.45		
4600	1.23	72.29	4599.76	20.79	20.01	20.01	0.21		
4700	1.47	70.04	4699.73	21.56	22.24	22.24	0.25		
4800	1.27	75.81	4799.70	22.26	24.52	24.52	0.24		
4900	1.02	53.86	4899.68	23.06	26.31	26.31	0.50		
5000	1.30	56.56	4999.66	24.21	27.97	27.97	0.29		
5100	1.14	70.77	5099.64	25.16	29.86	29.86	0.34		



5200	0.87	77.69	5199.62	25.65	31.54	31.54	0.30	
5300	1.16	77.15	5299.61	26.04	33.27	33.27	0.29	
5400	0.79	78.17	5399.59	26.41	34.93	34.93	0.37	
5500	1.00	64.36	5499.58	26.93	36.39	36.39	0.30	
5600	0.44	36.88	5599.57	27.61	37.41	37.41	0.64	
5700	0.75	7.79	5699.57	28.57	37.73	37.73	0.42	
5718	0.53	31.47	5717.57	28.75	37.79	37.79	1.89	GYRO
5804	3.70	90.00	5803.50	29.09	40.77	40.77	4.02	
5819	11.80	89.60	5818.35	29.10	42.79	42.79	54.00	
5835	19.60	89.10	5833.74	29.16	47.12	47.12	48.76	
5851	26.40	93.80	5848.46	28.96	53.36	53.36	43.99	
5867	34.20	93.60	5862.27	28.45	61.41	61.41	48.75	
5882	41.00	92.50	5874.14	27.97	70.54	70.54	45.55	STEER
5899	49.50	87.80	5886.10	27.97	82.60	82.60	53.69	
5914	56.20	90.10	5895.16	28.18	94.54	94.54	46.30	
5930	63.00	92.40	5903.25	27.87	108.33	108.33	44.27	STEER
5961	75.20	91.50	5914.29	26.89	137.22	137.22	39.45	
5992	82.00	90.50	5920.41	26.37	167.59	167.59	22.16	
6023	83.40	89.90	5924.35	26.26	198.33	198.33	4.91	
6055	80.40	90.50	5928.86	26.15	230.01	230.01	9.56	
6086	81.30	89.80	5933.79	26.07	260.62	260.62	3.66	
6118	86.00	90.60	5937.33	25.96	292.41	292.41	14.90	
6149	91.20	92.50	5938.09	25.12	323.38	323.38	17.86	
6181	91.10	93.70	5937.44	23.39	355.32	355.32	3.76	
6213	91.20	92.90	5936.80	21.55	387.26	387.26	2.52	
6244	90.30	91.90	5936.40	20.25	418.23	418.23	4.34	
6276	92.20	91.30	5935.70	19.36	450.21	450.21	6.23	
6307	93.40	92.60	5934.18	18.30	481.15	481.15	5.70	
6339	93.30	92.30	5932.31	16.94	513.07	513.07	0.99	
6370	92.30	94.10	5930.80	15.21	543.98	543.98	6.64	
6402	91.80	94.70	5929.65	12.76	575.87	575.87	2.44	
6433	89.70	95.70	5929.25	9.95	606.74	606.74	7.50	
6464	88.00	93.10	5929.87	7.57	637.64	637.64	10.02	
6496	88.30	90.00	5930.90	6.70	669.60	669.60	9.73	
6527	90.00	89.60	5931.36	6.81	700.60	700.60	5.63	
6558	93.10	89.60	5930.52	7.03	731.58	731.58	10.00	
6590	94.60	89.20	5928.38	7.36	763.51	763.51	4.85	
6621	95.30	90.00	5925.70	7.58	794.39	794.39	3.42	
6652	92.00	90.50	5923.73	7.44	825.32	825.32	10.77	
6684	88.60	89.50	5923.56	7.44	857.32	857.32	11.07	
6705	89.10	90.00	5923.98	7.53	878.31	878.31	3.37	STEER
6727	89.10	90.00	5924.33	7.53	900.31	900.31	0.00	PROJECT

Lateral: 1

Proposed Direction: 90

Dog Leg Severity per: 100 feet

Measured Depth	Inclination	Azimuth	True Vertical Depth	North/South Coordinate	East/West Coordinate	Vertical Section	Dog Leg Severity	Survey Tool
5718	0.53	31.47	5717.56	28.75	37.79	37.79	0.00	GYRO

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

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 20778
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	B-2317
7. Lease Name or Unit Agreement Name	VACUUM GLORIETA WEST UNIT
8. Well No.	84
9. Pool Name or Wildcat	VACUUM GLORIETA
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 4002'	

SUNDRY NOTICES AND REPORTS ON WELL
(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 HORIZONTAL LATERAL

2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.

3. Address of Operator 205 E. Bender, HOBBS, NM 88240

4. Well Location
Unit Letter I 560 Feet From The EAST Line and 2080 Feet From The SOUTH Line
Section 35 Township 17S Range 34E NMPM LEA COUNTY

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: HORIZONTAL LATERAL ☒

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.

6-25-98: MIRU.
6-26-98: TOH W/2 3/8" TBG. SLM @ 5629'. TIH W/CSG SCRAPER & BIT. TIH W/GAUGE RING W/JNK BSKT TO 6000' FOR CCL LOG. TIH W/CIBP & SET @ 5806'. TIH W/2 3/8" TBG TO 5629'.
6-27-98: TIH W/5 JTS TO 5796'. TOH W/TBG. LD 160 JTS. SET PKR. PMP DN TBG. PKR @ 310'. RUN CSG INSP LOG FR 5806-4700' & 1300-1000'.
6-28-98: NDBOP. INSTL NEW SEAL. PSI TEST CSG, BOPS & FLANGES.-NO LEAKS.
6-30-98: RU DRLG OPERATIONS. UNLOAD DP W/CONNECTIONS. HU FLOWLINE. TIH W/MILLS. TOH W/DP. TIH W/WHIPSTOCK.
7-01-98: RU WIRELINE EQPT FOR GYRO. RU GYRO. TOH W/DP. TIH W/CSG MILL.
7-02-98: DRILLING. TD @ 6727' @ 12:45 AM 7-05-98.
7-06-98: LD RBP. TIH & SET RBP @ 5000'. PRESS TEST TO 500 PSI-OK. LDDP. RIG DOWN.
7-09-98: UNLOAD 2 3/8" TBG. PU RETR HEAD & TIH TO 5000'. REL RBP @ 5000'. PU 2 JTS 2 3/8" TBG & PKR.
7-10-98: TIH W/TBG. RAN PKR & SET @ 5758.78'. RE-ENTRY GUIDE @ 5832.40' KB. NU TREE & PSI TEST CSG TO 700#.
7-14-98: INSTL SENSOR ON COIL TBG. TIH W/TBG TO 6712'. CIRC 1000 GALS 15% HCL ACR FORM. CIRC OUT ACID.
7-15-98: OPEN WELL ON 8/64 CHOKE & FLOW WELL TO TEST TANK.
7-16-98: REL PKR & PULL TBG.
7-18-98: FLOW TBG TO TANK UNTIL DIED. ND FRAC TREE. REL PKR. TOH & LD PKR. TIH W/15 STD KILL STRING.
7-19-98: TIH W/12 STDS & SET RBP @ 750'. NDBOP & DRLG FLANGE. NU TBG HD & BOP. TIH & REL RBP. TIH W/SUB PUMPS & MOTOR ON 2 3/8" TBG. SET PUMP @ 5736'. NDBOP. NU WELL. CONNECT ELEC & NU TO FLOW LINE. WELL ON PUMP @ 6:00 PM.
7-21-98: ON 24 HR OPT. PUMPED 315 BO, 516 BW, & 62 MCF.
FINAL REPORT

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

SIGNATURE J. Denise Leake TITLE Engineering Assistant DATE 7/31/98
TYPE OR PRINT NAME J. Denise Leake Telephone No. 397-0405

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.

30-025-31873

5. Indicate Type of Lease

STATE ☒FEE ☐

6. State Oil & Gas Lease No.

B-2317-1-A

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER WATER INJECTION

b. Type of Completion:

NEW
WELL ☒WORK
OVER ☐DEEPEN ☐PLUG
BACK ☐DIFF
RESVR ☐OTHER ☐

2. Name of Operator

TEXACO EXPLORATION AND PRODUCTION INC.

8. Well No.

91

3. Address of Operator

P. O. Box 3109, Midland, Texas 79702

9. Pool name or Wildcat

VACUUM GLORIETA

4. Well Location

Unit Letter I: 1459 Feet From The SOUTH Line and 1048 Feet From The EAST LineSection 35Township 17-SOUTHRange 34-EAST

NMPM LEA

County

10. Date Spudded

06-19-93

11. Date T.D. Reached

06-28-93

12. Date Compl. (Ready to Prod.)

07-07-93

13. Elevations (DF & RKB, RT, GR, etc.)

GR-4010', KB-4024'

14. Elev. Casinghead

4010'

15. Total Depth

6315'

16. Plug Back T.D.

6186'

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools
0 - 6315'

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

5874' - 6009'; GLORIETA

20. Was Directional Survey Made

YES

21. Type Electric and Other Logs Run

GR-DLL-MSFL, GR-DSN-SDL-CAL

22. Was Well Cored

NO

23.

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	1545'	11	CL-C 650 SX, CIRC. 167 SX	
5 1/2	15.5# & 17#	6315'	7 7/8	CL-H 1900 SX, CIRC. 150 SX	

24.

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8	5817'	5817'

25.

TUBING RECORD

26. Perforation record (interval, size, and number)

5874-5878, 5881-5888, 5918-5926, 5951-5990, 5996-6009; 2 JSPF, 142 HOLES

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5874' - 6009'	ACID - 3000 GAL, 15% HCL

28.

PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in) SHUT-IN	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By
RANDY TRAMMEL

30. List Attachments

DEVIATION SURVEY

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

C. P. Basham / LOK

Printed

Name C. P. BASHAM

Title DRLG. OPER. MGR.

Date 07-08-93

Hobbs Area / Monte
Suncor

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-105
Revised 1-1-89

WELL API NO. 30-025-32263	
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil & Gas Lease No. B-2317	
7. Lease Name or Unit Agreement Name VACUUM GLORIETA WEST UNIT	
8. Well No. 98	
9. Pool name or Wildcat VACUUM GLORIETA	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG					
1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐					
1b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DEEP RESEV ☐ OTHER ☐					
2. Name of Operator TEXACO EXPLORATION AND PRODUCTION INC.					
3. Address of Operator P. O. Box 3109, Midland, Texas 79702					
4. Well Location Unit Letter <u>P</u> : <u>937</u> Feet From The <u>SOUTH</u> Line and <u>532</u> Feet From The <u>EAST</u> Line Section <u>35</u> Township <u>17-SOUTH</u> Range <u>34-EAST</u> NMPM LEA County					
10. Date Spudded 01-15-94	11. Date T.D. Reached 01-23-94	12. Date Compl. (Ready to Prod.) 02-04-94	13. Elevations (DF& RKB, RT, GR, etc.) GR-4007', KB-4021'	14. Elev. Casinghead 4007'	
15. Total Depth 6269'	16. Plug Back T.D. 6135'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools 0 - 6269'	Cable Tools	
19. Producing Interval(s), of this completion - Top, Bottom, Name 5876' - 5988'; GLORIETA					20. Was Directional Survey Made YES
21. Type Electric and Other Logs Run GR-DLL-MSFL-CSL-CAL, GR-SDL-DSN-CSNG-CAL, GR-CCL					22. Was Well Cored NO

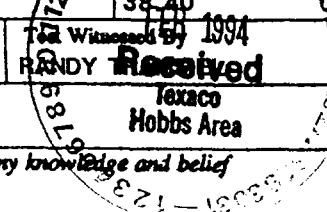
23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	1500'	11	CL-C 650 SX, CIRC. 96 SX	
5 1/2	15.5#	6269'	7 7/8	CL-H 1925 SX, CIRC. 39 SX	

24. LINER RECORD					25. TUBING RECORD	
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2 7/8	6014'

26. Perforation record (interval, size, and number) 5876-5884, 5898-5904, 5932-5988; 2 JSPF, 140 HOLES.	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	5876' - 5988'	ACID: 6000 GAL, 15% HCL

28. PRODUCTION									
Date First Production 02-06-94		Production Method (Flowing, gas lift, pumping - Size and type pump) PUMPING - 2.5 X 1.5 X 24					Well Status (Prod. or Shut-in) PRODUCING		
Date of Test 02-08-94	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl. 155	Gas - MCF 33	Water - Bbl. 40	Oil - Bbl. 155	Gas - MCF 18	Water - Bbl. 19
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil - Bbl. 38.40	Gas - MCF 213.27	Water - Bbl. 23	Oil - Bbl. 25

29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD		30. List Attachments DEVIATION SURVEY	
31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief			
Signature <u>C.P. Basham</u>		Printed Name <u>C.P. BASHAM</u>	
Title <u>DRLG. OPER. MGR.</u>		Date <u>02-11-94</u>	



DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

DISTRICT II

Box Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO.	3002532263
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	
7. Lease Name or Unit Agreement Name	VACUUM GLORIETA WEST UNIT
8. Well No.	98
9. Pool Name or Wildcat	VACUUM GLORIETA
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	4007'

SUNDRY NOTICES AND REPORTS ON WELL
(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
TEXACO EXPLORATION & PRODUCTION INC.

3. Address of Operator
205 E. Bender, HOBBS, NM 88240

4. Well Location
Unit Letter P : 937 Feet From The SOUTH Line and 532 Feet From The EAST Line
Section 35 Township 17-S Range 34-E NMPM LEA COUNTY

10. Elevation (Show whether DF, RKB, RT, GR, etc.) 4007'

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: ☒ Lateral Horizontal

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.

5-21-99: CONSTRUCT RESERVE PIT. MOVE PUMP JACK.
5-22-99: BLEED CSG & TBG DN. PUMP 30 BBLS FW DN CSG & TBG. NUBOP. TEST TO 1000 PSI.-OK.TIH W/BIT, CSG SCRAPER & TBG. TAG BTM @ 6110'. WRK CSG SCRAPER FR 5700-6110'.
5-23-99: KILL W/10 BFW. RU WL & TIH W/JNK BASKET & GAUGE RING. TIH W/PROF NIP, TBG & PKR. PKR @ 5869'. TIH W/GYRO TOOL. TIH W/TBG & TAG PKR @ 5867'.
5-25-99: NUBOP & FLOWLINE. TEST BOP TO 1000 PSI.-OK. TAG TIW PKR @ 5862'.
5-26-99: TIH W/WHIPSTOCK. TIH W/MILLS & ILL 5829-5835'. TIH W/BHA. BREAK CIRC. RU WL TRUCK. TIH W/GYRO ASSEMBLY.DRLG CURVE 5839-5843'.
5-27-99: SLIDE DRILL 5843-5858,5890,6002,6005,6075,6085,6110'.
5-28-99: SLIDE DRILL 6110-6125,5142,6162,6173,6220,6236,6245,6251,6319-6345. MADE CHANGE IN TARGETS @ 6236'.
5-29-99: SLIDE DRILL 6345-6363,6371. SHUT DOWN DRILLING TO SIDTRACT-OUT OF ZONE. TOH W/DP. PU SWIVAL.SLIDE DRILL 6040-6042,6046,6062,6079,6089,6142,6173,6205,6236,6249,6273.
5-30-99: SLIDE DRILL FR 6273-6283,6299.TOH W/BHA #2. CHANGE OUT MOTOR. TIH W/BHA #3. ROTARY DRILL FR 6299-6385.
5-31-99: ROTARY DRILL 6385-6425,6430,6450. DRILL 50 MORE FEET & CIRC SAMPLES. TORARY DRILL FR 6450-6500,6520,6583.
6-01-99: SLIDE DRILL FR 6583-6588,6615,6620,6710. TIH W/DP TO TOP OF WHIPSTOCK. LATCH INTO WHIPSTOCK & JAR ON WHIPSYOCXK. LD COLLAR, WHIPSTOCK. LATCH IN ASSEMBLY. TIH W/BHA & DP. TRY TO STING INTO TIW PKR SET @ 5862'. ABLE TO ONLY GET TO 5857'.
6-02-99: RU SWIVEL. WSH FILL OFF TOP OF PKR. CIRC HLE CLN W/SWEEP. TOP OF WHIPSTOCK @ 5809'. BTM @ 5818'. START CUTTING WINDOW. MILL WINDOW TO 5818'. TIH W/GYRO.
6-03-99: TIME DRILL 2 FT/HR 5824-5826'. SLIDE DRILL 5826-5830',5860,5940.
6-04-99: TIME DRILL 5850-5853'. SLIDE DRILL TO 5861. TIME DRILL 5817-5820,5824. SLIDE DRILL TO 5830',5861,6017'.
6-06-99: SLIDE DRILL 6017-6037'. TIH W/BHA #5. SLIDE DRILL 142 FT, ROTARY DRILL 714 FT.
6-06-99: CIRC HLE @ TD, 6873' TVD. PU RBP & RIH @ 5750'. TEST TO 1000 PSI. NDFL. CHANGE OUT BOPS. REL RIG.
6-10-99: UNLOAD & RACK 2 7/8" TBG. PU RBP RETR HEAD, STRAP & PU TABG. TAG RBP W/186 JTS @ 5750'. REL PLUG. PU PKR. TIH W/30 STANDS OF TBG.

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

SIGNATURE J. Denise Leake TITLE Engineering Assistant DATE 7/26/99

OR PRINT NAME J. Denise Leake Telephone No. 397-0405

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

6-11-99: OPEN WELL UP. TIH W/TBG TO 5768'. SET PKR. TEST PKR & PIPE RAMS TO 500 PSI-OK.

6-12-99: REL PKR. REM SN. PU RE-ENTRY GUIDE, TBG & PKR. TIH W/TBG. PSA 5769'. BTM OF RE-ENTRY GUIDE @ 5826'. BTM OF WINDOW @ 5818'. RIG DOWN SERVICE UNIT.

6-15-99: MIRU COIL TBG UNIT. UNABLE TO GET PAST 5863'. PULL BACK TO RE-ENTRY GUIDE @ 5826'. UNABLE TO GET PAST 5863'. (THE 1ST QUITTING POINT OF 1ST LATERAL). OPEN PKR BYPASS. PSA 5738'. BTM OF REENTRY GUIDE @ 5795'. BTM OF UPPER WINDOW @ 5818'. TOP @ 5809'. RU COIL TBG UNIT. TIH W/COIL TBG TO 5850'. C/O TO 6869'. FOAM FR BTM W/70 QUALITY FOAM & START ACID JOB. ACIDIZE W/16,860 GALS 15% HCL & 300 BBLS 2% KCL WTR.

6-16-99: ACIDIZE W/COIL TBG STAGES 4-9 W/15% ACID. RIG DOWN COIL TBG.

6-17-99: RU SWAB. FL @ 2200'. END FL @ 3300'.

6-18-99: REL PKR. TIH W/HOOK, BMPR SUBS, JARS & DC'S. LATCH ON WHIPSTOCK & JAR FEE. TIH W/OVERSHOT, GRAPPLE, BS, JARS, DC'S. CAUGHT FISH.

6-19-99: TIH W/SHORT CATCH OVERSHOT, JARS, DC'S. CATCH FSH & START JARRING W/20 K OVER. FSH REL. TIH W/PROD STRING.

6-20-99: TIH W/BENT SUB, PKR, TBG. SET PKR & INSTL TREE ON BOP. RIG DOWN SERVICE UNIT. PKR SET @ 5823'.

6-22-99: ACIDIZE W/21000 GALS 15% HCL & 20000 GALS WF130. FLSH TO BTM PERF SUB W/63 BBLS 2%. WELL ON VAC.

6-23-99: RU TO SWAB. FL @ 4000'. END FL @ 4200'.

6-24-99: ND FRAC TREE. REL PKR. TIH W/MA, PERF SUB, SN, & TBG.

6-25-99: TAG TIW PKR @ 5864'. PULL UP TO 1ST COLLAR & SET TA W/16K TENSION. NDBOP. NU TBG FLANGE & CHANGE OVER TO RUN RDS. INSTL ROD BOP. TIH W/GAS ANCHOR, PUMP, RDS. TEST TBG & PUMP SEAT W/25 BW.

6-26-99: RU PUMP UNIT. PUMPING.

7-09-99: MIRUSU. BLOW DN GAS FR CSG. UNSEAT PUMP. PUMP FW DN TBG. REL TA. NUBOP.

7-10-99: TIH W/PUMP,CABLE, & TBG. STRIP OFF BOP. LAND TBG IN NEW WH. RIG DOWN SU.

7-14-99: ON 24 HR OPT. PUMPED 216 BO, 523 BW, & 63 MCF.

FINAL REPORT

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.	3002532263
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lea	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG															
1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____					7. Lease Name or Unit Agreement Name VACUUM GLORIETA WEST UNIT										
b. Type of Completion: NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RES. ☐ OTHER ☐ HORIZONTAL															
2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.					8. Well No. 98										
3. Address of Operator 205 E. Bender, HOBBS, NM 88240					9. Pool Name or Wildcat VACUUM GLORIETA										
4. Well Location Unit Letter <u>P</u> ; <u>937</u> Feet From The <u>SOUTH</u> Line and <u>532</u> Feet From The <u>EAST</u> Line Section <u>35</u> Township <u>17-S</u> Range <u>34-E</u> NMPM <u>LEA</u> COUNTY															
10. Date Spudded 5/21/99		11. Date T.D. Reached 6/6/99		12. Date Compl. (Ready to Prod.) 6/15/99		13. Elevations (DF & RKB, RT, GR, etc.) 4007'		14. Elev. Csghead							
15. Total Depth 6873'		16. Plug Back T.D.		17. If Mult. Compl. How Many Zones?		18. Intervals Drilled By		Rotary Tools Cable Tools							
19. Producing Interval(s), of this completion - Top, Bottom, Name OPEN HOLE - BOTH LATERALS								20. Was Directional Survey Made YES							
21. Type Electric and Other Logs Run								22. Was Well Cored NO							
23. CASING RECORD (Report all Strings set in well)															
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENT RECORD		AMOUNT PULLED					
						NO CHANGE									
24. LINER RECORD										25. TUBING RECORD					
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN		SIZE		DEPTH SET		PACKER SET	
										2 7/8"		MD 5832'			
26. Perforation record (interval, size, and number) Open Hole-Both Laterals										27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.					
										DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED			
										OPEN HOLE		16860 gals 15% HCL			
												21000 gals 15% HCL			
												20000 gals WF130			
28. PRODUCTION															
Date First Production 6/27/99		Production Method (Flowing, gas lift, pumping - size and type pump) PUMPING 2 1/2"x2"x24'								Well Status (Prod. or Shut-in) PROD.					
Date of Test 7-14-99		Hours tested 24 hrs.		Choke Size		Prod'n For Test Period		Oil - Bbl. 216		Gas - MCF 63		Water - Bbl. 523		Gas - Oil Ratio	
Flow Tubing Press.		Casing Pressure		Calculated 24- Hour Rate		Oil - Bbl.		Gas - MCF		Water - Bbl.		Oil Gravity - API -(Corr.)			
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD										Test Witnessed By					
30. List Attachment DIRECTIONAL SURVEY															
I hereby certify that the information on both sides of this form is true and complete to the best of my knowledge and belief.															
SIGNATURE <u>J. Denise Leake</u>						TITLE <u>Engineering Assistant</u>			DATE <u>7/26/99</u>						
TYPE OR PRINT NAME <u>J. Denise Leake</u>						Telephone No. <u>397-0405</u>									

SCIENTIFIC DRILLING
HORIZONTAL SURVEY PROGRAM
MINIMUM CURVATURE CALCULATIONS(SPE-3362)

OPERATOR: TEXACO E & P, INC. WELL: VGWU #98 LOCATION: LEA COUNTY, NEW MEXICO JOB NO:						START: 5/26/99 FINISH: INFORMATION PROVIDED BY: DIRECTIONAL COORDINATOR: Lamb, Hoffman					
DIP1 = -1.72 deg = 88.28 deg TARGET1 = 5,960 ft TVD VS1 = 474 ft						MAG DECLINATION TRUE					
DIP2 = -1.72 deg = 88.28 deg TARGET2 = 5,975 ft TVD VS2 = 948 ft						DIRECTION: 161.50					
SVY #	MEASURED DEPTH	INCL (DRIFT)	AZIMUTH (DIR)	TRUE VERTICAL DEPTH	VERTICAL SECTION	DLS/ 100	CENTER LINE ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)	NORTH(+) SOUTH(-)	EAST(+) WEST(-)	QUAD FORMAT
TIE	5829	1.2	77.6	5827.4	5.8	0.0	118.5	-109.7	29.3	105.9	N 77.6 E
1	5883	25.2	144.8	5879.6	17.1	45.9	66.6	-113.6	19.9	113.2	S 35.2 E
2	5893	29.8	144.8	5888.5	21.5	46.0	57.9	-115.0	16.1	115.8	S 35.2 E
3	5903	34.6	144.4	5897.0	26.6	48.0	49.6	-116.5	11.8	118.9	S 35.6 E
4	5913	39.4	144.4	5905.0	32.3	48.0	41.8	-118.3	6.9	122.4	S 35.6 E
5	5923	44.1	143.7	5912.4	38.7	47.2	34.5	-120.3	1.5	126.3	S 36.3 E
6	5933	49.0	143.0	5919.3	45.6	49.3	27.8	-122.6	-4.3	130.7	S 37.0 E
7	5943	53.7	142.0	5925.5	53.0	47.6	21.8	-125.1	-10.5	135.4	S 38.0 E
8	5953	58.3	142.0	5931.1	60.8	46.0	16.5	-127.9	-17.1	140.5	S 38.0 E
9	5963	62.9	142.0	5936.0	69.0	46.0	11.8	-130.8	-23.9	145.9	S 38.0 E
10	5968	74.5	140.6	5945.1	90.8	46.7	3.4	-138.8	-42.1	160.4	S 39.4 E
11	5998	78.5	140.6	5947.4	99.9	40.0	1.3	-142.3	-49.6	166.6	S 39.4 E
	6018	82.9	141.3	5950.7	118.4	22.3	-1.3	-149.2	-64.9	179.0	S 38.7 E
13	6028	84.8	141.6	5951.7	127.7	19.2	-2.1	-152.6	-72.7	185.2	S 38.4 E
14	6048	88.1	142.7	5953.0	146.5	17.4	-2.8	-159.2	-88.4	197.5	S 37.3 E
15	6072	89.2	143.0	5953.5	169.3	4.8	-2.7	-166.9	-107.6	212.0	S 37.0 E
16	6105	89.1	145.1	5954.0	200.7	6.4	-2.2	-176.8	-134.3	231.4	S 34.9 E
17	6135	88.5	148.0	5954.7	229.7	9.9	-2.0	-184.5	-159.3	247.9	S 32.0 E
18	6157	88.3	151.5	5955.5	261.0	11.0	-1.9	-191.0	-186.9	264.0	S 28.5 E
19	6198	88.4	156.0	5956.4	291.7	14.5	-1.9	-195.2	-214.7	277.7	S 24.0 E
20	6230	88.4	159.6	5957.3	323.6	11.2	-1.9	-197.3	-244.3	289.8	S 20.4 E
21	6261	90.0	162.7	5957.8	354.6	11.3	-1.4	-197.5	-273.6	299.8	S 17.3 E
22	6293	90.5	167.6	5957.6	386.6	15.4	-0.3	-195.4	-304.6	308.0	S 12.4 E
23	6325	90.7	172.6	5957.3	418.2	15.4	1.0	-190.7	-336.1	313.5	S 7.4 E
24	6334	90.2	174.0	5957.2	427.0	16.5	1.4	-188.8	-345.0	314.5	S 6.0 E
BIT	6371	90.2	181.0	5957.1	462.5	18.9	2.6	-178.6	-382.0	316.2	S 1.0 W

ORIGINAL LATERAL-L1

SCIENTIFIC DRILLING
HORIZONTAL SURVEY PROGRAM
MINIMUM CURVATURE CALCULATIONS(SPE-3362)

OPERATOR: TEXACO E & P, INC. WELL: VGWU #98 SIDETRACK LOCATION: LEA COUNTY, NEW MEXICO JOB NO: 32D0599111						START: 5/26/99 FILE: FINISH: INFORMATION PROVIDED BY: DIRECTIONAL COORDINATOR: Lamb, Hoffman					
DIP1 = -1.00 deg = 89.00 deg TARGET1 = 5,972 ft TVD VS1 = 1,038 ft						MAG DECLINATION TRUE					
DIP2 = -1.00 deg = 89.00 deg TARGET2 = 5,972 ft TVD VS2 = 1,038 ft						DIRECTION: 141.92					
SVY #	MEASURED DEPTH	INCL (DRIFT)	AZIMUTH (DIR)	TRUE VERTICAL DEPTH	VERTICAL SECTION	DLS/ 100	CENTER LINE ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)	NORTH(+) SOUTH(-)	EAST(+) WEST(-)	QUAD FORMAT
11	5998	78.5	140.6	5947.4	141.8	40.0	8.9	-100.6	-49.6	166.6	S 39.4 E
12	6018	82.9	141.3	5950.7	161.5	22.3	6.0	-100.9	-64.9	179.0	S 38.7 E
13	6028	84.8	141.6	5951.7	171.5	19.2	5.1	-101.0	-72.7	185.2	S 38.4 E
14	6040	86.8	142.3	5952.6	183.4	17.4	4.5	-101.0	-82.1	192.6	S 37.7 E
15	6052	86.6	138.8	5953.3	195.4	28.8	4.0	-101.3	-91.3	200.2	S 41.2 E
16	6062	87.0	138.1	5953.9	205.4	8.1	3.6	-101.9	-98.8	206.9	S 41.9 E
17	6072	87.5	137.4	5954.3	215.3	8.6	3.3	-102.6	-106.2	213.6	S 42.6 E
18	6105	89.5	138.5	5955.2	248.2	6.9	3.0	-104.9	-130.7	235.7	S 41.5 E
19	6136	91.6	143.4	5954.9	279.2	17.2	3.8	-105.4	-154.8	255.2	S 36.6 E
20	6168	91.8	144.4	5954.0	311.2	3.2	5.4	-104.3	-180.6	274.0	S 35.6 E
21	6199	88.4	149.4	5953.9	342.1	19.5	5.9	-101.6	-206.6	291.0	S 30.6 E
	6231	89.9	149.0	5954.4	373.8	4.9	6.0	-97.6	-234.1	307.3	S 31.0 E
22	6261	91.0	148.7	5954.1	403.6	3.8	6.8	-94.0	-259.7	322.9	S 31.3 E
24	6294	89.2	148.3	5954.1	436.4	5.6	7.4	-90.2	-287.9	340.1	S 31.7 E
25	6325	89.6	149.0	5954.4	467.1	2.6	7.6	-86.5	-314.3	356.2	S 31.0 E
26	6357	89.9	149.7	5954.6	498.9	2.4	8.0	-82.4	-341.9	372.5	S 30.3 E
27	6387	90.1	150.8	5954.6	528.5	3.7	8.6	-78.1	-367.9	387.4	S 29.2 E
28	6411	90.0	151.1	5954.5	552.3	1.3	9.0	-74.3	-388.9	399.1	S 28.9 E
29	6450	89.0	149.7	5954.9	580.8	4.4	9.3	-68.5	-422.8	418.3	S 30.3 E
30	6483	89.6	150.1	5955.3	623.5	2.2	9.5	-64.0	-451.3	434.9	S 29.9 E
31	6515	86.2	149.7	5956.4	655.2	10.7	8.9	-59.5	-479.0	450.9	S 30.3 E
32	6545	84.8	148.7	5958.8	684.8	5.7	7.0	-55.7	-504.7	466.2	S 31.3 E
33	6577	84.5	147.6	5961.8	716.5	3.5	4.6	-52.3	-531.8	483.1	S 32.4 E
34	6608	86.1	147.3	5964.3	747.3	5.3	2.6	-49.3	-557.8	499.7	S 32.7 E
35	6640	87.1	146.9	5966.2	779.1	3.4	1.3	-46.4	-584.6	517.0	S 33.1 E
36	6671	86.9	145.1	5967.8	809.9	5.8	0.2	-44.2	-610.3	534.3	S 34.9 E
BIT	6710	86.9	145.1	5970.0	848.8	0.0	-1.3	-42.0	-642.2	556.6	S 34.9 E

SIDETRACK OFF OF L1

SCIENTIFIC DRILLING
HORIZONTAL SURVEY PROGRAM
MINIMUM CURVATURE CALCULATIONS(SPE-3362)

OPERATOR: TEXACO E & P, INC.	START: 5/2/99	FILE: NORTH LATERAL
WELL: VGWU #98 N. LATERAL	FINISH:	
LOCATION: LEA COUNTY, NEW MEXICO	INFORMATION PROVIDED BY:	
JOB NO: 32D0599111	DIRECTIONAL COORDINATOR: Lamb, Hoffman	
DIP1 = 0.00 deg = 90.00 deg	MAG DECLINATION	
TARGET1 = 5,950 ft TVD		
VS1 = 171 ft	TRUE	
DIP2 = 0.00 deg = 90.00 deg		
TARGET2 = 5,948 ft TVD	DIRECTION: 0.00	
VS2 = 500 ft		

SVY #	MEASURED DEPTH	INCL (DRIFT)	AZIMUTH (DIR)	TRUE		CENTER LINE						QUAD FORMAT
				VERTICAL DEPTH	VERTICAL SECTION	DLS/ 100	ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)	NORTH(+) SOUTH(-)	EAST(+) WEST(-)		
PIE	5809	1.2	77.9	5807.4	29.2	0.0	142.6	105.5	29.2	105.5		N 77.9 E
1	5863	22.2	117.0	5860.0	24.6	39.5	90.0	115.2	24.6	115.2		S 63.0 E
2	5873	26.2	106.8	5869.1	23.1	57.7	80.9	119.0	23.1	119.0		S 73.2 E
3	5883	30.5	102.6	5877.9	21.9	47.4	72.1	123.6	21.9	123.6		S 77.4 E
4	5893	34.7	102.3	5886.3	20.8	42.0	63.7	128.9	20.8	128.9		S 77.7 E
5	5903	38.9	102.3	5894.4	19.5	42.0	55.6	134.7	19.5	134.7		S 77.7 E
BIT	5940	54.4	102.3	5919.7	13.8	41.9	30.3	160.9	13.8	160.9		S 77.7 E

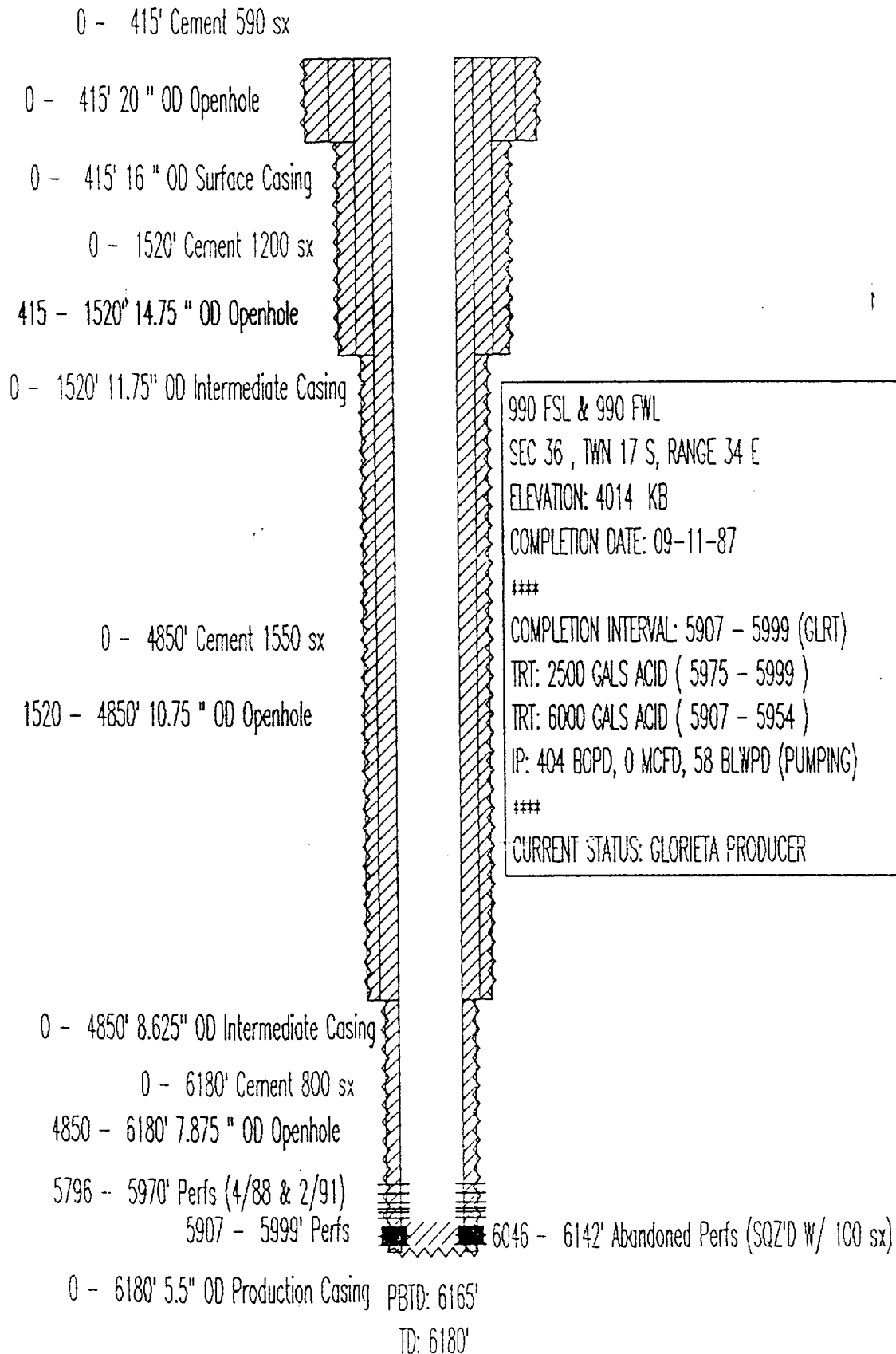
SECOND LATERAL - L2
 MECHANICAL FAILURE
 ON ORIENTATION

SCIENTIFIC DRILLING
HORIZONTAL SURVEY PROGRAM
MINIMUM CURVATURE CALCULATIONS(SPE-3362)

OPERATOR: TEXACO E & P, INC.						START: 5/2/99		FILE: NORTH LATERAL			
WELL: VGWU #98 N. LATERAL SIDETRACK #2						FINISH:					
LOCATION: LEA COUNTY, NEW MEXICO						INFORMATION PROVIDED BY:					
JOB NO: 32D0599111						DIRECTIONAL COORDINATOR: Lamb, Hoffman					
DIP1 = 0.00 deg = 90.00 deg						MAG DECLINATION					
TARGET1 = 5,943 ft TVD											
VS1 = 1,000 ft						TRUE					
DIP2 = 0.00 deg = 90.00 deg											
TARGET2 = 5,943 ft TVD						DIRECTION: 0.00					
VS2 = 1,000 ft											
TRUE CENTER LINE											
WY	MEASURED	INCL	AZIMUTH	VERTICAL	VERTICAL	DLS/	ABOVE(+)	RIGHT(+)	NORTH(+)	EAST(+)	QUAD
#	DEPTH	(DRIFT)	(DIR)	DEPTH	SECTION	100	BELOW(-)	LEFT(-)	SOUTH(-)	WEST(-)	FORMAT
11E	5809	1.2	77.9	5807.4	29.2	0.0	135.8	105.5	29.2	105.5	N 77.9 E
1	5887	30.4	2.4	5881.8	49.6	38.6	61.2	107.1	49.6	107.1	N 2.4 E
2	5917	42.7	3.1	5905.8	67.4	41.0	37.2	108.0	67.4	108.0	N 3.1 E
3	5949	55.4	3.8	5926.7	91.4	39.7	16.3	109.5	91.4	109.5	N 3.8 E
4	5980	67.7	2.8	5941.5	118.6	39.8	1.5	111.0	118.6	111.0	N 2.8 E
5	5990	71.8	2.8	5944.9	128.0	41.0	-1.9	111.5	128.0	111.5	N 2.8 E
6	6000	75.7	2.4	5947.7	137.6	39.2	-4.7	111.9	137.6	111.9	N 2.4 E
7	6009	79.1	3.5	5949.7	146.3	39.6	-6.7	112.4	146.3	112.4	N 3.5 E
8	6042	89.2	2.4	5953.1	179.1	30.8	-10.1	114.1	179.1	114.1	N 2.4 E
9	6073	88.5	357.1	5953.7	210.1	17.2	-10.7	113.9	210.1	113.9	N 2.9 W
10	6104	90.3	352.9	5954.0	240.9	14.7	-11.0	111.2	240.9	111.2	N 7.1 W
	6136	92.0	351.5	5953.4	272.6	6.9	-10.4	106.9	272.6	106.9	N 8.5 W
12	6168	91.4	351.5	5952.4	304.3	1.9	-9.4	102.1	304.3	102.1	N 8.5 W
13	6199	90.6	351.5	5951.9	334.9	2.6	-8.9	97.6	334.9	97.6	N 8.5 W
14	6231	91.3	350.5	5951.3	366.5	3.8	-8.3	92.6	366.5	92.6	N 9.5 W
15	6262	92.7	351.2	5950.3	397.1	5.0	-7.3	87.6	397.1	87.6	N 8.8 W
16	6293	93.4	350.8	5948.6	427.7	2.6	-5.6	82.8	427.7	82.8	N 9.2 W
17	6325	93.9	350.1	5946.6	459.2	2.7	-3.6	77.5	459.2	77.5	N 9.9 W
18	6357	94.0	349.4	5944.4	490.6	2.2	-1.4	71.8	490.6	71.8	N 10.6 W
19	6388	91.4	349.4	5942.9	521.0	8.4	0.1	66.1	521.0	66.1	N 10.6 W
20	6420	91.3	349.4	5942.2	552.5	0.3	0.8	60.2	552.5	60.2	N 10.6 W
21	6452	91.6	349.0	5941.3	583.9	1.6	1.7	54.2	583.9	54.2	N 11.0 W
22	6484	89.5	349.8	5941.0	615.3	7.0	2.0	48.4	615.3	48.4	N 10.2 W
23	6515	90.4	349.4	5941.1	645.8	3.2	1.9	42.8	645.8	42.8	N 10.6 W
24	6546	91.4	349.8	5940.6	676.3	3.5	2.4	37.2	676.3	37.2	N 10.2 W
25	6578	90.7	353.3	5940.0	707.9	11.2	3.0	32.5	707.9	32.5	N 8.7 W
26	6609	92.2	353.3	5939.2	738.7	4.8	3.8	28.8	738.7	28.8	N 8.7 W
27	6641	88.6	351.9	5939.0	770.5	12.1	4.0	24.7	770.5	24.7	N 8.1 W
28	6673	85.6	351.9	5940.6	802.1	9.4	2.4	20.2	802.1	20.2	N 8.1 W
29	6704	86.3	351.9	5942.8	832.7	2.3	0.2	15.9	832.7	15.9	N 8.1 W
30	6736	87.1	352.2	5944.6	864.3	2.7	-1.6	11.4	864.3	11.4	N 7.8 W
31	6768	87.7	351.2	5946.1	896.0	3.6	-3.1	6.8	896.0	6.8	N 8.8 W
32	6799	88.4	351.9	5947.1	926.6	3.2	-4.1	2.3	926.6	2.3	N 8.1 W
33	6831	88.9	351.9	5947.9	958.3	1.6	-4.9	-2.2	958.3	-2.2	N 8.1 W
BIT	6873	88.9	351.9	5948.7	1000.0	0.0	-5.7	-8.2	1000.0	-8.2	N 8.1 W

SIDETRACK OFF OF LZ

TEXACO
 NM O STATE NCT-1 NO. 26
 API# 30025299190000



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 29919
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	41487
7. Lease Name or Unit Agreement Name	VACUUM GLORIETA WEST UNIT
8. Well No.	99
9. Pool Name or Wildcat	VACUUM GLORIETA
10. Elevation (Show whether DF, RKB, RT, GR, etc.) GL = 3998'	

SUNDRY NOTICES AND REPORTS ON WELL
(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
TEXACO EXPLORATION & PRODUCTION INC.

3. Address of Operator
205 E. Bender, HOBBS, NM 88240

4. Well Location
Unit Letter M : 990 Feet From The SOUTH Line and 990 Feet From The WEST Line
Section 36 Township 17S Range 34E NMPM LEA COUNTY

10. Elevation (Show whether DF, RKB, RT, GR, etc.) GL = 3998'

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: ☒ Horizontal Lateral

2. 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.

2-07-99: MIRU. PULL SUB PUMP & LD. TIH W/CSG SCRAPER TO 5863'.
2-09-99: SET WHIPSTOCK PKR W/PROF NIP @ 5779'. TIH W/PKR & SET @ 5700'. CIRC HLE W/FW. INSTL 3000 PSI GATE VALVE ON WH. TEST TO 2000 PSI. LD TBG.
2-11-99: MIRU KEY RIG. BUILD RESERVE PIT & LINE PIT. UNLOAD & RACK DP. NUBOP.
2-12-99: TIH W/2 7/8" DP & RETR HEAD. REL RBP. FLOW TO PIT. RUN GYRO SURVEY FR SURF TO TIW PKR. AZIMUTH SETTING @ 160 DEG. TIH W/STRING MILL TO PKR LUG @ 5779' STRING MILL & TAPER MILL. TIH W/WHIPSTOCK ASSEMBLY TO 5779'. MILL FR 5766-5768'. TIH W/2ND SET OF MILLS.
2-13-99: MILL 5772-5777. TIH W/BIT #1 @ 5766'. REAM 5766-5777'. SLIDE DRIL 5777-5791, 5794, 5807.
2-14-99: SLIDE DRIL 5807-5850, 5900, 5908, 5963.
2-15-99: TIH TO 5763'. SLIDE DRIL 5963-5988, 5997, 6046, 6093'.
2-16-99: ROTARY DRL 6093-6141. SLIDE DRIL 6141-6147. ROT DRIL 6147-6173, SLIDE DRIL 6173-6179. ROT DRIL 6179-6299. SLIDE DRIL 6299-6311, ROT DRIL 6311-6362. ROTATE DRIL 6362-6458, SLIDE DRIL 6458-6468. ROT DRIL 6521. SLIDE-6529, ROT 6553, SLIDE 6560, ROT 6646, ROT 6709, TD CALLED @ 6709'.
2-17-99: CIRC WELL W/10 PPG BRINE. MONITOR FOR FLOW. CIRC MUD. DISPL 130 BBLS MUD.
2-18-99: PU PKR, PROF NIP & DP. PSA 5701'. TEST CSG & PKR. WELL FLOWING UP TBG. TIH W/RBP & SET @ 948'. PSI TEST RBP TO 1000 PSI INSTL BOP STACK.
2-19-99: RIG DOWN.
2-23-99: MIRU SERV UNIT. UNLOAD TBG. OPEN BYPASS @ 948'. FLOWING.
2-24-99: INSTL CHECK VALVE IN TBG STRING. REL RBP. SET RBP @ 5695'.
2-25-99: CIRC 125 BBL MUD. REL RBP. TIH W/PKR RETR TOOL. LATCH ONTO & REL PKR. RESET @ 5685'.
2-26-99: NDBOP. NUWH. RIG DOWN SERVICE UNIT. TIH W/PRONG GUID. TAG @ 5661'. WRK DN TO 5671'. PU BAILER. DUMP 2.5 GAL AMMINE DN TBG.
2-27-99: MIRU ELECTRIC LINE. TIH W/CCL. SHOOT FOUR HLES IN PKR. FLOW WELL TO PIT.
3-18-99: CIRC W/10# BRINE, TIH W/SUB PUMP EQPT ON TBG TO 5642'. TIH W/KILL STRING TO 2350'.

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

SIGNATURE J. Denise Leake TITLE Engineering Assistant DATE 6/4/99

TYPE OR PRINT NAME J. Denise Leake Telephone No. 397-0405

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____

CONDITIONS OF APPROVAL, IF ANY:

3-19-99: CIRC /2 3000' W/10# BRINE. TIH W/SUB EQPT . NDBOP.
NUWH. WELL PUMP UP @ 2:30 PM. WELL ON TEST.

4-08-99: MIRU PUMP TRUCK. KILL W/10# BRINE. NDWH. NUBOP.
TOH W/TBG, & PMP. TIH W/SUB, TBG, PKR, SN TO 4033'.

4-09-99: PSA 5562'. LOAD & TEST CSG TO 500 PSI.

4-10-99: RU COIL TBG UNIT. TIH W/DSP TOOL. TAG FLUID @
1000'. JET TO 5400'.

4-11-99: TIH W/DSP TOOL. TBG @ 6000'. CIRC HLE. TIH TO 6716'.
PULL TOOL TO 6703'. CLOSE ANNULUS. ACIDIZE UPPER
PADDOCK LATERAL 5766-6709 W/14,700 GALS 15% NEFE.

4-12-99: OPEN WELL TO FRAC TANK.

4-13-99: FLOW TO FRAC TANK. RU PUMP TRUCK. KILL W/50 BBLS
10# BRINE. REL PKR.

4-14-99: CIRC @ 4010'. PSA 250'. CHANGE OUT MANUAL BOP TO
HYD BOP. REL PKR. PSA 35'. PUMP 70 BBLS 10# BRINE.

4-15-99: FLOWING.

4-16-99: KILL W/100 BBLS. REL PKR & TIH W/TBG. PSA 5502'. TP @
5751'. LOAD & TEST CSG & PKR TO 500 PSI-OK. NDBOP. NUWH.
RU SWAB. HOOK UP FLOWLINE & WELL FLOWING. PULL
WHIPSTOCK.

4-28-99: RU REV EQPT. KILL WELL. NDWH. NUBOP. REL PKR @
5502'. TIH W/MILL ON TBG TO 5750'. PULL WHIPSTOCK.

4-29-99: TIH W/WHIPSTOCK HOOK, JARS, DC'S & TBG TO 5765'.
LATCH ONTO & PULL WHIPSTOCK. TIH W/KILL STRING TO 2500'.

4-30-99: PU SUB EQPT & TIH TO 2460'. CIRC & KILLW ELL. TIH TO
3720'.

5-01-99: TIH W/MOTOR, SEPR, PUMP & TBG. MOTOR @ 5678'. ON
PUMP @ 4:30 PM. ON TEST.

5-06-99: ON 24 HR OPT. PUMPED 474 BO, 1064 BW, & 131 MCF.
FINAL REPORT

OIL CONSERVATION DIVISION

P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

Santa Fe, New Mexico 87504-2088

STRICT II

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

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO.	30 025 29919
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lea	41487

WELL COMPLETION OR RECOMPLETION REPORT AND LOG											
1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____						7. Lease Name or Unit Agreement Name VACUUM GLORIETA WEST UNIT					
b. Type of Completion: NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RES. ☐ OTHER ☒ Horizontal											
2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.						8. Well No. 99					
3. Address of Operator 205 E. Bender, HOBBS, NM 88240						9. Pool Name or Wildcat VACUUM GLORIETA					
4. Well Location Unit Letter M 990 Feet From The SOUTH Line and 990 Feet From The WEST Line Section 36 Township 17S Range 34E NMPM LEA COUNTY											
10. Date Spudded 2/7/99		11. Date T.D. Reached 2/16/99		12. Date Compl. (Ready to Prod.) 4/11/99		13. Elevations (DF & RKB, RT, GR, etc.) GL = 3998'			14. Elev. Csghead		
15. Total Depth 6709'		16. Plug Back T.D.		17. If Mult. Compl. How Many Zones?		18. Intervals Drilled By		Rotary Tools		Cable Tools	
19. Producing Interval(s), of this completion - Top, Bottom, Name 5766-6708' Upper Paddock Lateral										20. Was Directional Survey Made yes	
21. Type Electric and Other Logs Run CCL										22. Was Well Cored no	
23. CASING RECORD (Report all Strings set in well)											
CASING SIZE		WEIGHT LB./FT.		DEPTH SET		HOLE SIZE		CEMENT RECORD		AMOUNT PULLED	
						No change					
24. LINER RECORD											
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN			
25. TUBING RECORD											
SIZE		TOP		BOTTOM		SACKS CEMENT		SCREEN		PACKER SET	
26. Perforation record (interval, size, and number) 5766-6709'											
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.											
DEPTH INTERVAL						AMOUNT AND KIND MATERIAL USED					
5766-6709'						14,700 GALS 15% NEFE					
28. PRODUCTION											
Date First Production 5/2/99		Production Method (Flowing, gas lift, pumping - size and type pump) PUMPING (Sub-pump 1400 BPD(4"x27.7)						Well Status (Prod. or Shut-in) Prod			
Date of Test 5-06-99		Hours tested 24 hrs		Choke Size		Prod'n For Test Period		Oil - Bbl. 474		Gas - MCF 131	
								Water - Bbl. 1064		Gas - Oil Ratio 276	
Flow Tubing Press.		Casing Pressure		Calculated 24- Hour Rate		Oil - Bbl.		Gas - MCF		Water - Bbl.	
										Oil Gravity - API -(Corr.)	
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD										Test Witnessed By	
30. List Attachment											
31. I hereby certify that the information on both sides of this form is true and complete to the best of my knowledge and belief.											
SIGNATURE <i>J. Denise Leake</i>				TITLE Engineering Assistant				DATE 6/22/99			
TYPE OR PRINT NAME J. Denise Leake								Telephone No. 397-0405			



Lateral: 0		Proposed Direction: 270				Dog Leg Severity per: 100 feet		
Measured Depth	Inclination	Azimuth	True Vertical Depth	North/South Coordinate	East/West Coordinate	Vertical Section	Dog Leg Severity	Survey Tool
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	GYRO
100	0.17	135.35	100.00	-0.11	0.10	-0.10	0.17	
200	0.12	123.52	200.00	-0.27	0.30	-0.30	0.06	
300	0.14	137.39	300.00	-0.42	0.47	-0.47	0.04	
400	0.18	129.49	400.00	-0.61	0.67	-0.67	0.05	
500	0.20	126.05	500.00	-0.81	0.93	-0.93	0.02	
600	0.23	116.78	600.00	-1.00	1.25	-1.25	0.05	
700	0.26	119.58	700.00	-1.20	1.63	-1.63	0.03	
800	0.27	116.66	800.00	-1.42	2.04	-2.04	0.02	
900	0.29	127.24	899.99	-1.68	2.45	-2.45	0.06	
1000	0.33	133.68	999.99	-2.03	2.86	-2.86	0.05	GYRO
1100	0.31	136.85	1099.99	-2.43	3.25	-3.25	0.03	
1200	0.29	157.14	1199.99	-2.86	3.54	-3.54	0.11	
1300	0.22	157.19	1299.99	-3.27	3.71	-3.71	0.07	
1400	0.29	162.56	1399.99	-3.69	3.86	-3.86	0.07	
1500	0.32	176.88	1499.99	-4.21	3.95	-3.95	0.08	
1600	0.31	176.46	1599.99	-4.76	3.98	-3.98	0.01	
1700	0.32	176.89	1699.98	-5.31	4.01	-4.01	0.01	
1800	0.31	167.70	1799.98	-5.85	4.09	-4.09	0.05	
1900	0.30	161.86	1899.98	-6.36	4.22	-4.22	0.03	
2000	0.29	156.05	1999.98	-6.84	4.41	-4.41	0.03	GYRO
2100	0.27	143.60	2099.98	-7.26	4.65	-4.65	0.06	
2200	0.26	134.96	2199.98	-7.61	4.95	-4.95	0.04	
2300	0.25	88.35	2299.98	-7.77	5.33	-5.33	0.20	
2400	0.40	68.88	2399.97	-7.64	5.87	-5.87	0.18	
2500	0.87	55.42	2499.97	-7.08	6.83	-6.83	0.49	
2600	1.03	56.63	2599.95	-6.15	8.20	-8.20	0.16	
2700	1.05	55.35	2699.94	-5.14	9.71	-9.71	0.03	
2800	1.07	55.65	2799.92	-4.09	11.23	-11.23	0.02	
2900	0.87	59.80	2899.91	-3.18	12.66	-12.66	0.21	
3000	0.62	61.96	2999.90	-2.55	13.79	-13.79	0.25	GYRO
3100	0.53	74.14	3099.89	-2.17	14.71	-14.71	0.15	
3200	0.37	88.16	3199.89	-2.03	15.48	-15.48	0.19	
3300	0.33	111.92	3299.89	-2.13	16.07	-16.07	0.15	
3400	0.40	91.29	3399.89	-2.24	16.69	-16.69	0.15	
3500	0.32	90.52	3499.88	-2.25	17.31	-17.31	0.08	
3600	0.33	90.58	3599.88	-2.26	17.88	-17.88	0.01	
3700	0.28	90.64	3699.88	-2.26	18.41	-18.41	0.05	
3800	0.27	85.91	3799.88	-2.25	18.89	-18.89	0.02	
3900	0.33	79.08	3899.88	-2.18	19.41	-19.41	0.07	
4000	0.33	83.19	3999.88	-2.09	19.98	-19.98	0.02	GYRO
4100	0.32	76.56	4099.88	-1.99	20.54	-20.54	0.04	
4200	0.25	66.81	4199.87	-1.84	21.01	-21.01	0.08	
4300	0.24	73.73	4299.87	-1.69	21.41	-21.41	0.03	
4400	0.23	82.46	4399.87	-1.61	21.81	-21.81	0.04	
4500	0.11	111.20	4499.87	-1.62	22.10	-22.10	0.14	
4600	0.31	155.59	4599.87	-1.90	22.30	-22.30	0.24	
4700	0.72	198.27	4699.87	-2.74	22.22	-22.22	0.54	
4800	0.87	197.24	4799.86	-4.06	21.79	-21.79	0.15	
4900	1.09	211.59	4899.84	-5.60	21.07	-21.07	0.33	
5000	2.07	209.70	4999.80	-7.98	19.68	-19.68	0.98	GYRO
5100	1.92	216.64	5099.74	-10.89	17.78	-17.78	0.28	

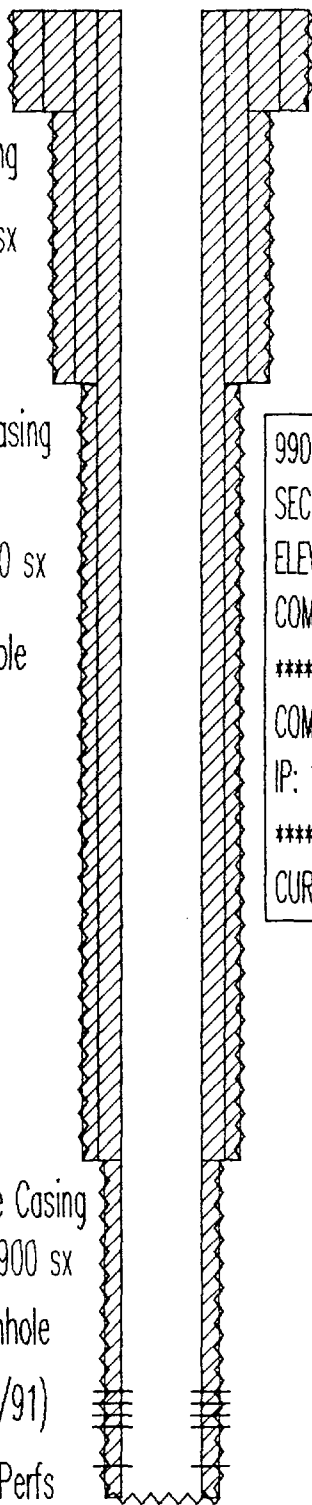


5200	1.81	223.68	5199.69	-13.38	15.69	-15.69	0.25	
5300	1.69	226.20	5299.64	-15.54	13.54	-13.54	0.14	
5400	1.56	224.24	5399.60	-17.54	11.52	-11.52	0.14	
5500	1.17	224.30	5499.58	-19.24	9.86	-9.86	0.39	
5600	0.47	223.33	5599.56	-20.27	8.87	-8.87	0.70	
5700	0.41	218.81	5699.56	-20.85	8.36	-8.36	0.07	
5770	0.40	207.00	5769.56	-21.26	8.09	-8.09	0.12	GYRO
5793	6.80	268.30	5792.50	-21.37	6.69	-6.69	28.77	
5822	15.30	265.50	5820.94	-21.72	1.15	-1.15	29.36	
5854	26.40	262.00	5850.80	-23.05	-10.14	10.14	34.89	
5886	38.20	262.20	5877.80	-25.39	-27.04	27.04	36.88	GYRO
5918	54.50	267.50	5899.82	-27.32	-50.02	50.02	52.29	
5933	65.00	269.70	5907.37	-27.62	-62.96	62.96	71.13	GYRO
5948	76.30	270.60	5912.33	-27.58	-77.09	77.09	75.54	
5979	86.90	276.90	5916.86	-25.55	-107.63	107.63	39.65	
6011	86.90	277.60	5918.59	-21.52	-139.33	139.33	2.18	
6043	87.30	277.40	5920.21	-17.35	-171.01	171.01	1.40	GYRO
6074	88.50	274.90	5921.34	-14.03	-201.81	201.81	8.94	
6106	87.60	272.90	5922.43	-11.85	-233.72	233.72	6.85	
6138	87.80	272.50	5923.72	-10.35	-265.65	265.65	1.40	
6170	86.60	271.80	5925.28	-9.15	-297.59	297.59	4.34	
6201	85.80	271.50	5927.33	-8.26	-328.51	328.51	2.76	
6236	86.60	271.50	5929.65	-7.34	-363.42	363.42	2.29	
6264	86.90	271.40	5931.24	-6.64	-391.37	391.37	1.13	
6296	87.50	271.20	5932.80	-5.91	-423.32	423.32	1.98	
6327	89.30	270.90	5933.67	-5.34	-454.30	454.30	5.89	
6359	89.80	270.80	5933.92	-4.87	-486.30	486.30	1.59	
6391	90.60	270.60	5933.81	-4.48	-518.30	518.30	2.58	
6423	91.10	270.50	5933.33	-4.17	-550.29	550.29	1.59	
6454	91.60	270.70	5932.60	-3.85	-581.28	581.28	1.74	
6486	89.70	270.80	5932.24	-3.43	-613.27	613.27	5.95	
6518	90.00	270.60	5932.32	-3.04	-645.27	645.27	1.13	GYRO
6549	88.50	270.10	5932.73	-2.85	-676.27	676.27	5.10	
6580	86.90	270.00	5933.97	-2.82	-707.24	707.24	5.17	
6611	87.20	269.90	5935.57	-2.85	-738.20	738.20	1.02	
6643	87.70	269.90	5936.99	-2.90	-770.17	770.17	1.56	
6674	88.40	269.90	5938.05	-2.96	-801.15	801.15	2.26	
6709	89.20	269.90	5938.78	-3.02	-836.14	836.14	2.29	GYRO

TEXACO
NM O STATE NCT-1 NO. 29
API# 30025304760000

VCW4 #100

0 - 425' Cement 700 sx
0 - 425' 20 " OD Openhole
0 - 425' 16 " OD Surface Casing
0 - 1571' Cement 1250 sx
425 - 1571' 14.75 " OD Openhole
0 - 1571' 11.75" OD Intermediate Casing
0 - 4843' Cement 1850 sx
1571 - 4843' 10.75 " OD Openhole
0 - 4843' 8.625" OD Intermediate Casing
0 - 6270' Cement 900 sx
4843 - 6270' 7.875 " OD Openhole
5791 - 5970' Perfs (2/91)
6103 - 6132' Perfs
0 - 6270' 5.5" OD Production Casing



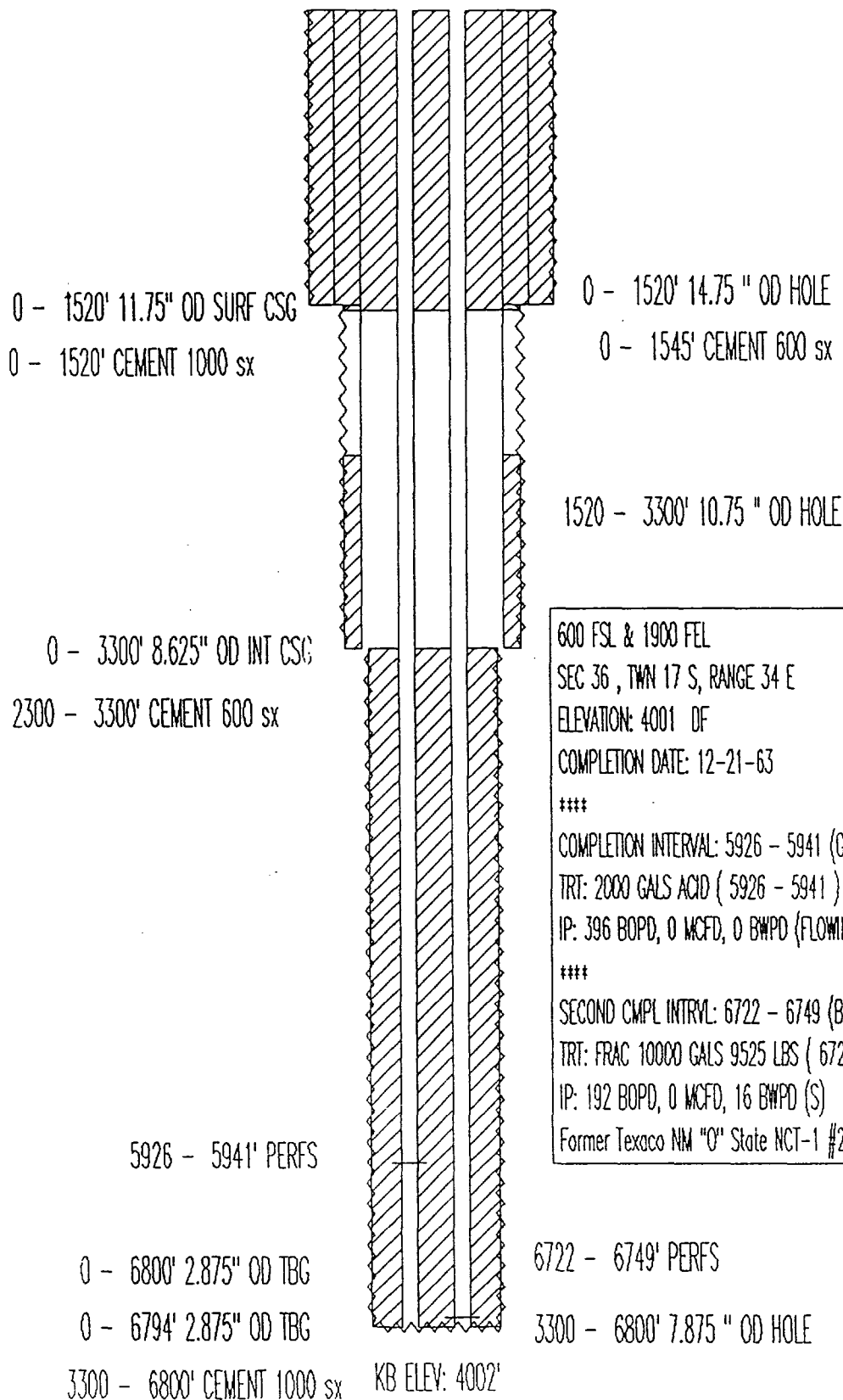
990 FSL & 2310 FWL
SEC 36 , TWN 17 S, RANGE 34 E
ELEVATION: 3999 KB
COMPLETION DATE: 05-04-89

COMPLETION INTERVAL: 6103 - 6132 (PDCK)
IP: 198 BOPD, 202 MCFD, 10 BWPD (PUMPING)

CURRENT STATUS: GLORIETA PRODUCER

PBTD: 6180'
TD: 6270'

TEXACO INC
VGWU No. 101
API# 202370000



600 FSL & 1900 FEL
SEC 36 , TWN 17 S, RANGE 34 E
ELEVATION: 4001 DF
COMPLETION DATE: 12-21-63

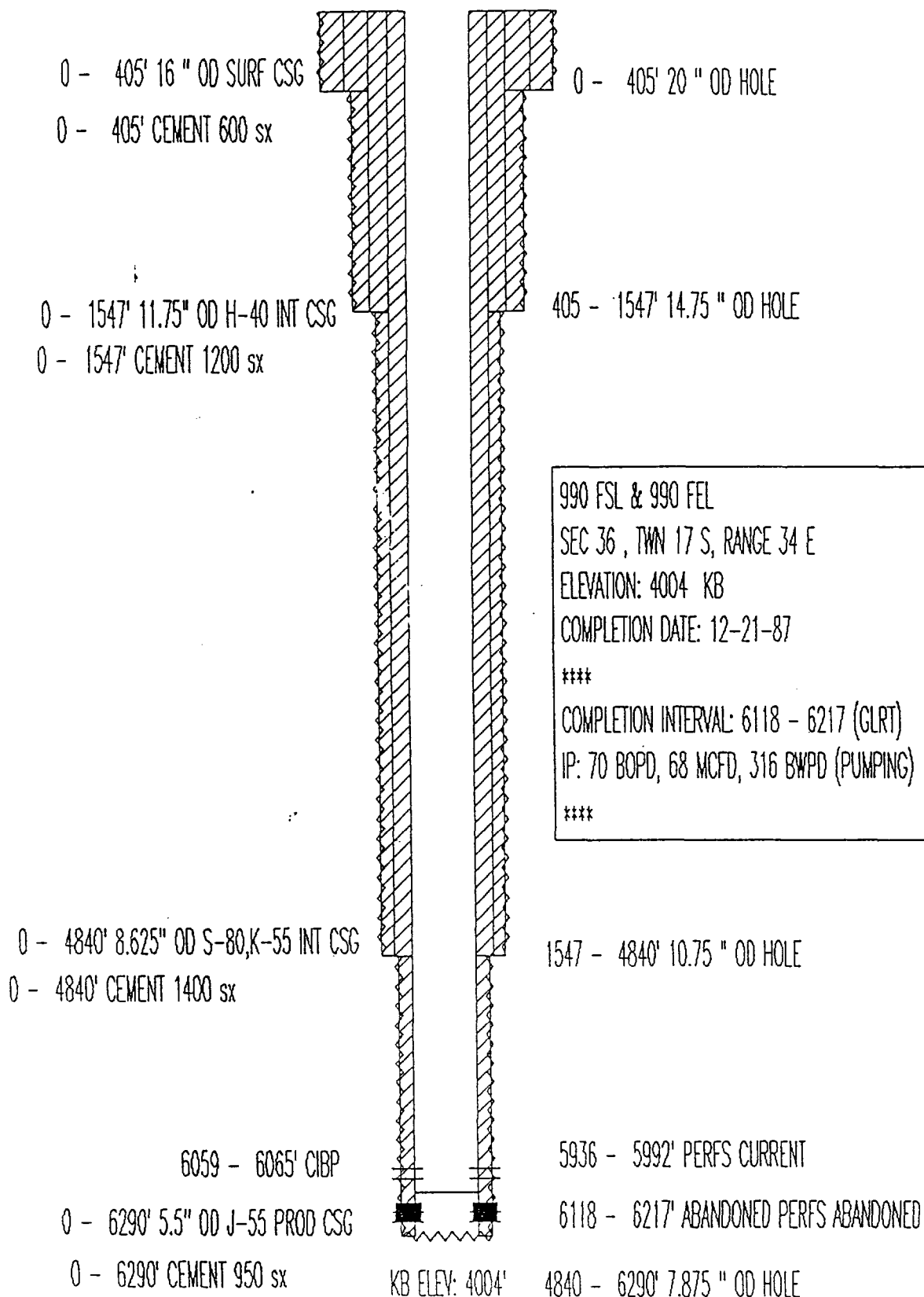
COMPLETION INTERVAL: 5926 - 5941 (GLRT)
TRT: 2000 GALS ACID (5926 - 5941)
IP: 396 BOPD, 0 MCFD, 0 BWPD (FLOWING)

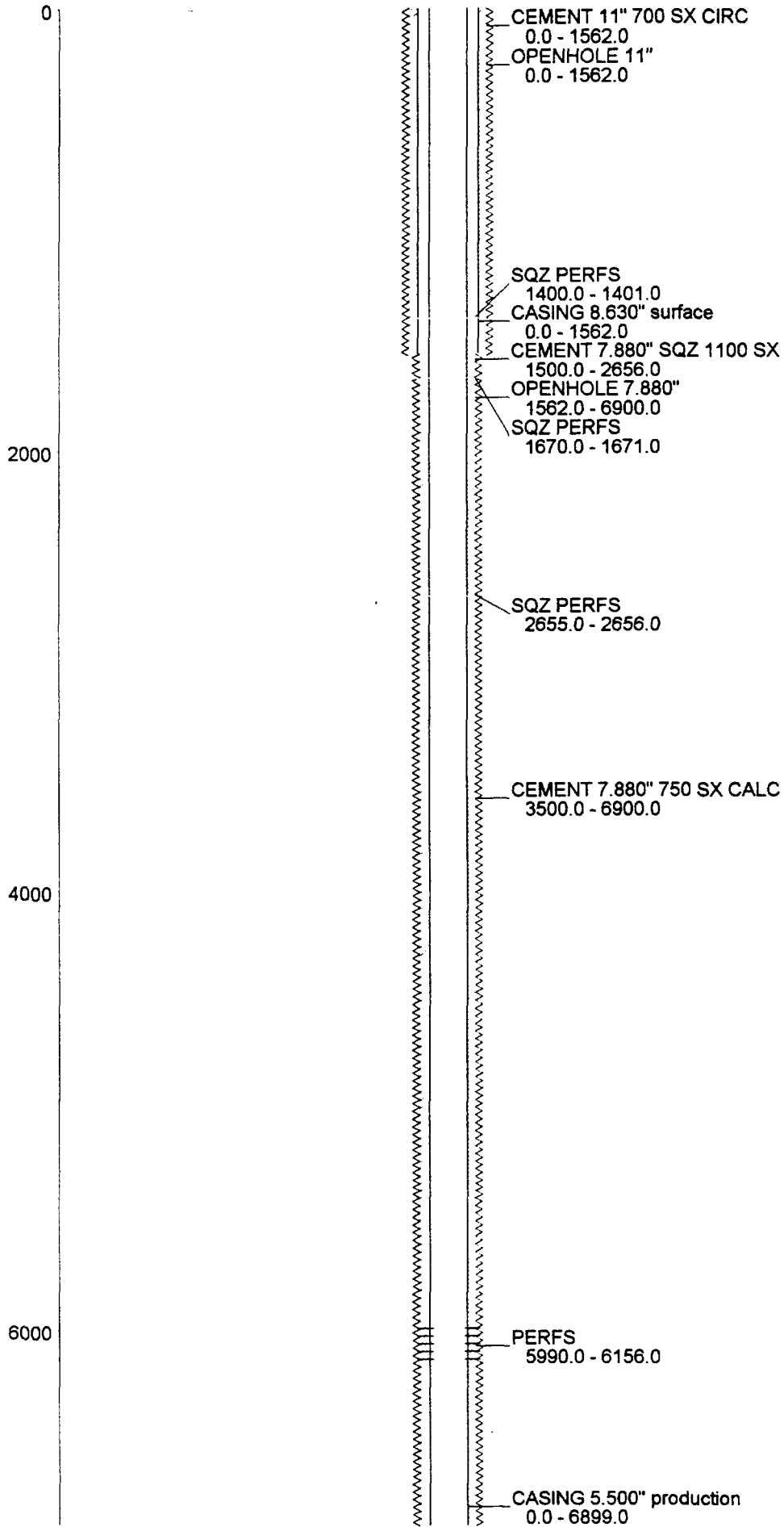
SECOND CMPL INTRVL: 6722 - 6749 (BLBR)
TRT: FRAC 10000 GALS 9525 LBS (6722 - 6749)
IP: 192 BOPD, 0 MCFD, 16 BWPD (S)
Former Texaco NM "O" State NCT-1 #23

6722 - 6749' PERFS
3300 - 6800' 7.875" OD HOLE

CURRENT WELLBORE

TEXACO PROD
VACUUM GLORIETA WEST UNIT 102
API# 301260000





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.	3002520339
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	STATE D
7. Lease Name or Unit Agreement Name	VACUUM GLORIETA WEST UNIT
8. Well No.	103
9. Pool Name or Wildcat	VACUUM GLORIETA

SUNDRY NOTICES AND REPORTS ON WELL (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	TEXACO EXPLORATION & PRODUCTION INC.
3. Address of Operator	205 E. Bender, HOBBS, NM 88240
4. Well Location	Unit Letter <u>M</u> : <u>760</u> Feet From The <u>SOUTH</u> Line and <u>560</u> Feet From The <u>WEST</u> Line Section <u>31</u> Township <u>17S</u> Range <u>35E</u> NMPM <u>LEA</u> COUNTY
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3988'

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

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

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.

1-3-98: MIRU. INSTL BOP. TIH W/BIT & CSG SCRAPER.
 1-4-98: TIH W/BIT & CSG TO 6000'. SET CIBP @ 5902'. TIH W/TBG. CIRC HLE W/FW. TEST PLUG TO 500 PSI.
 1-5-98 THRU 1-7-98: INSTL VALVES BELOW THE BOP.
 1-16-98: TIH W/DP & TAG BP @ 5902'. CIRC CLN. TIH W/WHIPSTOCK. SURVEY IN HLE & ORIENT WINDOW.
 1-17-98: TIH W/GYRO & ORIENT TO 286 DEG. SLIDE DRILL FR 5898-5901, 5901-5903, 5903-5905, 5905-5915, 5915-5925.
 1-18-98: RUN GYRO W/TOOL FACE @ 279 DEG. SLIDE DRILL FR 5925-5935, 5991, 6038, 6051, 6129, 6145'.
 1-20-98: ROTARY DRILL & SLIDE DRILL. CIRC 130 BBLS 10 PPG BRINE TO KEEP WELL DEAD. TIH W/RBP & SET @ 5565'. TEST TO 500#-OK. RR @ 9:00 PM.
 1-25-98: NDBOP. NU MANUAL BOP. TIH W/RETR TOOL & PI 170 JTS 2 7/8" TBG. LATCH ONTO RBP @ 5565'. REL RBP. CSG PRESS TO 150#.
 CIRC CSG W/FW TO KILL WELL-UNSUCCESSFUL. BLED WELL TO VAC TRUCK & CIRC W/10# BRINE. TIH W/TBG TO 4653'.
 1-27-98: BLED WELL DOWN FLOWLINE. CIRC HLE W/130 BBLS 10# BRINE. STILL FLOWING. SI TBG. PMP 50 BBLS BRINE INTO FORM @ 1000#.
 BLED DN. TIH W/MOTOR, SEAL, GAS SEPERATOR, PMP & TBG. NDBOP. NUWH. INSTL FLOWLINE.HU ELEC.
 1-29 THRU 2-5-98: TESTING
 2-21-98: CHANGE RAMS IN BOP. TIH W/MOTORS, SEAL, GAS SEPERATOR, PMP, & TBG. NDBOP. NUWH. WELL PUMP UP @ 2 PM.
 2-27-98: ON 24 HR OPT. PUMPING 639 BO, 158 BW, & 79 MCF.
 FINAL REPORT

AZIMUTH = 265

MD = 6998

SOUTH = 98'

WEST = 1196'

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

SIGNATURE J. Denise Leake TITLE Engineering Assistant DATE 3/4/98

TYPE OR PRINT NAME J. Denise Leake Telephone No. 397-0405

ORIGINAL SIGNED BY GARY WINK **MAR 24 1998**

APPROVED BY FIELD REP. # TITLE DATE

CONDITIONS OF APPROVAL, IF ANY:

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-185 -
Revised 1-1-88

WELL API NO.
30-025-31858

5. Indicate Type of Lease ☒ STATE ☐ FEDERAL

6. State Oil & Gas Lease No.
B-155-6

7. Lease Name or Unit Agreement Name
VACUUM GLORIETA WEST UNIT

8. Well No.
104

9. Pool name or Wildcat
VACUUM GLORIETA

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER WATER INJECTION

b. Type of Completion:
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DEEP RESER ☐ OTHER

2. Name of Operator
TEXACO EXPLORATION AND PRODUCTION INC.

3. Address of Operator
P. O. Box 3109. Midland, Texas 79702

4. Well Location
Unit Letter - M : 361 Feet From The SOUTH Line and 300 Feet From The WEST

Section 36 Township 17-SOUTH Range 34-EAST NMPM LEA

10. Date Spudded 03-22-93
11. Date T.D. Reached 03-30-93
12. Date Compl. (Ready to Prod.) 04-07-93

13. Elevations (DFA & RKE, RT, GR, etc.)
GR-4003', KB-4017'
14. Elev. Casingshead 4003'

15. Total Depth 6245'
16. Plug Back T.D. 6208'

18. Intervals Drilled By Rotary Tools
0-6245'

19. Producing Interval(s), of this completion - Top, Bottom, Name
5944' - 5983': GLORIETA

20. Was Directional Survey Made
YES

21. Type Electric and Other Logs Run
GR-DLL-MSFL, GR-DSN-SDL, GR-CCL

22. Was Well Cased
NO

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	1500'	11	650 SX. CIRC. 147 SACKS	
5 1/2	15.5# & 17#	6245'	7 7/8	1390 SX. CIRC. 69 SACKS DV TOOL @ 4978'	

LINER RECORD				TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2 3/8	5883'

26. Perforation record (interval, size, and number)
5944' - 5983'. 2 JSPF: 78 HOLES

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5944-5983	ACID - 2000 GAL 15% HCL

PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in) SHUT-IN	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)
Test Witnessed By
EDDY WELBORN

30. Log Attachments
DEVIATION SURVEY

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature C. P. Basham / cwh Printed Name C. P. BASHAM Title DRLG. OPER. MGR. Date 04-09-93

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-105
Revised 1-1-89

WELL API NO
30-025-31880

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
B-155-6

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER WATER INJECTION

b. Type of Completion:

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER ☐

2. Name of Operator

TEXACO EXPLORATION AND PRODUCTION INC.

3. Address of Operator

P. O. Box 3109, Midland, Texas 79702

4. Well Location

Unit Letter N : 453 Feet From The SOUTH Line and 1340 Feet From The WEST Line

Section 36

Township 17-SOUTH

Range 34-EAST

NMPM LEA

County

10. Date Spudded

04-24-93

11. Date T.D. Reached

05-04-93

12. Date Compl. (Ready to Prod.)

05-20-93

13. Elevations (DF & RKB, RT, GR, etc.)

GR-3999', KB-4013'

14. Elev. Casinghead

3999'

15. Total Depth

6231'

16. Plug Back T.D.

6149'

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools
0 - 6231'

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

5901' - 6102'; GLORIETA

20. Was Directional Survey Made

YES

21. Type Electric and Other Logs Run

GR-DLL-MSFL, GR-DSN-SDL-CAL

22. Was Well Cored

NO

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
11 3/4	42#	1500'	14 3/4	CL-C 840 SXS, CIRC. 80 SX	
5 1/2	15.5# & 17#	6231'	7 7/8	CL-H 1750 SXS, CIRC. 20 SX	

24. LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8	5815'	5815'

26. Perforation record (interval, size, and number)

5901-5960, 5968-5990, 6066-6102; 2 JSPF, 234 HOLES.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
5901' - 6102'	ACID - 5800 GAL, 15 % HCL

28. PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in) SHUT-IN	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.
						1000
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity API - (Corr.) Texaco

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By
DANNY SULLIVAN

30. List Attachments

DEVIATION SURVEY

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature C.P. Basham / SPK Printed Name C.P. BASHAM

Title DRLG. OPER. MGR. Date 05-24-93

Hobb S

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-105
Revised 1-1-89

WELL FILE
WELL NAME NO.
30-02563 1274

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

B-155-6

7. Lease Name or Unit Agreement Name

VACUUM GLORIETA WEST UNIT

8. Well No.

106

9. Pool name or Wildcat

VACUUM GLORIETA

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER WATER INJECTION

b. Type of Completion:

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DEEP RESER ☐ OTHER

2. Name of Operator

TEXACO EXPLORATION AND PRODUCTION INC.

3. Address of Operator

P. O. Box 3109, Midland, Texas 79702

4. Well Location

Unit Letter 0 : 310 Feet From The SOUTH Line and 2630 Feet From The EAST Line

Section 36 Township 17-SOUTH Range 34-EAST NMPM LEA County

10. Date Spudded

05-05-93

11. Date T.D. Reached

05-12-93

12. Date Compl. (Ready to Prod.)

06-05-93

13. Elevations (DF & RKB, RT, GR, etc.)

GR-3992', KB-4006'

14. Elev. Casinghead

3992'

15. Total Depth

6280'

16. Plug Back T.D.

6210'

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools

0-6280'

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

5933' - 6143': GLORIETA

20. Was Directional Survey Made

YES

1. Type Electric and Other Logs Run

GR-DSN, GR-CCL

22. Was Well Cored

NO

23.

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
11 3/4	42#	1480'	14 3/4	840 SX. CIRC. 39 SACKS	
5 1/2	15.5# & 17#	6280'	7 7/8	1850 SX. TOC @ 500' BY	
				TEMP. SURVEY	

24.

LINER RECORD

25. TUBING RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8	5851'	5851'

26. Perforation record (interval, size, and number)

5933' - 6143'. 2 JSPF: 252 HOLES

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED

5933-6143 ACID - 5000 GAL 15% HCL

28.

PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)					Well Status (Prod. or Shut-in)	
						SHUT-IN	
Date of Test	Hours Tested	Choke Size	Prod's For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	
						TEXACO	

2. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By:

RANDY TRAMMEL

30. List Attachments

DEVIATION SURVEY

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature C. P. Basham / cwt

Printed

Name C. P. BASHAM

Title DRLG. OPER. MGR. Date 06-11-93

Hobbs Area

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-105
Revised 1-1-89

WELL API NO. 30-025-31884
5. Indicate Type of Lease STATE ☒ FEE ☐
6. State Oil & Gas Lease No. B-155-6

WELL COMPLETION OR RECOMPLETION REPORT AND LOG	
1a. Type of Well: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER <u>WATER INJECTION</u>	7. Lease Name or Unit Agreement Name VACUUM GLORIETA WEST UNIT
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DEEP RESER ☐ OTHER ☐	
2. Name of Operator TEXACO EXPLORATION AND PRODUCTION INC.	8. Well No. 107
3. Address of Operator P. O. Box 3109, Midland, Texas 79702	9. Pool name or Wildcat VACUUM GLORIETA

4. Well Location Unit Letter <u>P</u> : <u>183</u> Feet From The <u>SOUTH</u> Line and <u>931</u> Feet From The <u>EAST</u> Line Section <u>36</u> Township <u>17-SOUTH</u> Range <u>34-EAST</u> NMPM LEA County				
10. Date Spudded 05-14-93	11. Date T.D. Reached 05-28-93	12. Date Compl. (Ready to Prod.) 06-19-93	13. Elevations (DF & RKB, RT, GR, etc.) GR-3998', KB-4012'	14. Elev. Casinghead 3998'
15. Total Depth 6390'	16. Plug Back T.D. 6340'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools 0 - 6390'	Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name 6006' - 6212'; GLORIETA				20. Was Directional Survey Made YES
21. Type Electric and Other Logs Run GR-DSN-CCL				22. Was Well Cored NO

23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	1470'	11	CL-C 650 SXS, CIRC. 64 SX	
5 1/2	15.5# & 17#	6390'	7 7/8	CL-H 1278 SX, CIRC. 193 SX	

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8	5934'	5934'

26. Perforation record (interval, size, and number) 6006-6072, 6123-6146, 6196-6212; 2 JSPF, 210 HOLES.		27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 6006' - 6212' AMOUNT AND KIND MATERIAL USED ACID - 4500 GAL, 15 % HCL	
--	--	--	--

28. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in) SHUT-IN	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.) Texaco	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By HARVEY STEPHENS
--	--------------------------------------

30. List Attachments DEVIATION SURVEY
--

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief			
Signature <u>C.P. Basham/SDH</u>	Printed Name <u>C.P. BASHAM</u>	Title <u>DRLG. OPER. MGR.</u>	Date <u>06-22-93</u>

H066 5

WELL FILE

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-105
Revised 1-1-89

WELL API NO.
30-025-31875

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
B-155-6

7. Lease Name or Unit Agreement Name
VACUUM GLORIETA WEST UNIT

8. Well No.
108

9. Pool name or Wildcat
VACUUM GLORIETA

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER WATER INJECTION

b. Type of Completion:
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER

2. Name of Operator
TEXACO EXPLORATION AND PRODUCTION INC.

3. Address of Operator
P. O. Box 3109, Midland, Texas 79702

4. Well Location
Unit Letter P : 213 Feet From The SOUTH Line and 351 Feet From The EAST Line
Section 36 Township 17-SOUTH Range 34-EAST NMPM LEA County

10. Date Spudded 05-31-93 11. Date T.D. Reached 06-10-93 12. Date Compl. (Ready to Prod.) 06-20-93 13. Elevations (DF& RKB, RT, GR, etc.) GR-3986', KB-4000' 14. Elev. Casinghead 3986'

15. Total Depth 6325' 16. Plug Back T.D. 6169' 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By Rotary Tools 0 - 6325' Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name 5957' - 6164'; GLORIETA 20. Was Directional Survey Made YES

21. Type Electric and Other Logs Run GR-DLL-MSFL, GR-DSN-SDL-CAL 22. Was Well Cored NO

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	1475'	11	CL-C 650 SXS, CIRC. 65 SX	
5 1/2	15.5# & 17#	6325'	7 7/8	CL-H 1200 SX, CIRC. 156 SX	

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8	5869'	5869'

26. Perforation record (interval, size, and number)
5957-6016, 6073-6100, 6147-6164; 2 JSPF,
206 HOLES.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL 5957' - 6164' AMOUNT AND KIND OF MATERIAL USED
ACID - 4500 GAL, 9% HCL

28. PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)					Well Status (Prod. or Shut-in) SHUT-IN	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio	
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)		

29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By
HARVEY STEPHENS

30. List Attachments
DEVIATION SURVEY

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature C.P. Basham / SDH Printed Name C.P. BASHAM

Title DRLG. OPER. MGR. Date 06-22-93

Directional Survey Report

Diamondback Directional

Well ID: 9819416075

Well Name: VGWU #108

Page 1

Plane of Vertical Section: 251 degrees UPPER LATERAL

Survey Type	Meas. Depth	Inc.	Azimuth	TVD	Coordinates N-S	E-W	Vertical Section	Dog Leg Severity
** TiIn	5800.00	2.68	270.17	5797.52	N 44.02	W 71.38	53.16	
MWD	5849.00	10.40	247.00	5846.17	N 42.29	W 76.61	58.66	16.34
MWD	5864.00	17.40	247.00	5860.72	N 40.89	W 79.92	62.25	46.67
MWD	5879.00	24.50	246.30	5874.72	N 38.76	W 84.84	67.60	47.36
MWD	5894.00	31.50	245.00	5887.96	N 35.85	W 91.25	74.60	46.84
MWD	5909.00	38.70	242.90	5900.22	N 32.05	W 98.98	83.16	48.66
MWD	5924.00	46.10	242.90	5911.29	N 27.44	W 107.98	93.16	49.33
MWD	5939.00	53.30	244.30	5920.99	N 22.37	W 118.22	104.50	48.52
MWD	5974.00	70.70	245.40	5937.36	N 9.31	W 146.10	135.11	49.79
MWD	6006.00	76.90	244.30	5946.28	S 3.75	W 173.90	165.65	19.65
MWD	6037.00	81.50	241.80	5952.09	S 17.55	W 201.03	195.79	16.82
MWD	6067.00	86.00	241.10	5955.35	S 31.80	W 227.22	225.19	15.18
MWD	6098.00	86.00	241.80	5957.51	S 46.58	W 254.38	255.69	2.25
MWD	6130.00	86.20	241.50	5959.69	S 61.74	W 282.48	287.19	1.12
MWD	6162.00	86.40	242.60	5961.76	S 76.71	W 310.69	318.74	3.49
MWD	6194.00	89.90	243.60	5962.79	S 91.17	W 339.21	350.41	11.37
MWD	6225.00	92.60	244.70	5962.11	S 104.69	W 367.09	381.18	9.40
MWD	6257.00	91.80	245.00	5960.88	S 118.28	W 396.04	412.97	2.67
MWD	6288.00	89.70	245.00	5960.48	S 131.38	W 424.13	443.80	6.77
MWD	6320.00	89.90	245.00	5960.59	S 144.90	W 453.13	475.62	0.63
MWD	6352.00	90.10	245.70	5960.59	S 158.25	W 482.22	507.46	2.28
MWD	6383.00	88.70	245.70	5960.92	S 171.00	W 510.47	538.33	4.52
MWD	6408.00	88.90	246.40	5961.44	S 181.15	W 533.31	563.23	2.91
PRO	6445.00	88.90	246.40	5962.15	S 195.96	W 567.21	600.10	0.00

Calculations using Minimum Curvature Method

Printed: 07:56 24-Jun-98

End of Report

Directional Survey Report**Diamondback Directional****Well ID: 9819416078****Well Name: VGWU #108**

Page 1

Plane of Vertical Section: 74 degrees

LOWER LATERAL

Survey Type	Meas. Depth	Inc.	Azimuth	TVD	Coordinates N-S	E-W	Vertical Section	Dog Leg Severity
** TieIn	5869.00	2.18	288.84	5868.48	N 44.40	W 74.25	-59.14	
MWD	5887.00	9.30	73.50	5884.39	N 44.91	W 73.18	-57.98	62.14
MWD	5905.00	21.80	70.50	5901.70	N 46.45	W 68.62	-53.16	69.57
MWD	5923.00	34.50	67.50	5917.54	N 49.53	W 60.72	-44.72	70.97
MWD	5938.00	44.90	66.80	5929.06	N 53.25	W 51.91	-35.22	69.40
MWD	5958.00	58.80	71.00	5941.39	N 58.84	W 37.26	-19.59	71.41
MWD	5974.00	68.30	74.50	5948.51	N 63.07	W 23.59	-5.29	62.51
MWD	6004.00	78.50	83.80	5957.09	N 68.46	E 4.58	23.27	44.70
MWD	6036.00	80.80	83.80	5962.84	N 71.97	E 35.88	54.30	7.19
MWD	6067.00	85.20	82.20	5966.61	N 75.77	E 66.38	84.70	14.88
MWD	6099.00	85.50	82.20	5969.21	N 80.10	E 97.98	116.26	0.94
MWD	6131.00	85.70	82.20	5971.66	N 84.43	E 129.59	147.84	0.62
MWD	6162.00	85.30	81.50	5974.09	N 88.81	E 160.18	178.46	2.59
MWD	6194.00	85.90	81.50	5976.55	N 93.52	E 191.74	210.09	1.87
MWD	6226.00	86.30	82.20	5978.17	N 98.05	E 223.37	241.75	7.81
MWD	6257.00	88.00	82.90	5979.17	N 102.07	E 254.09	272.39	2.46
MWD	6289.00	87.40	82.90	5980.45	N 106.02	E 285.82	303.98	1.87
MWD	6321.00	87.30	83.60	5981.93	N 109.78	E 317.57	335.53	2.21
MWD	6352.00	87.10	82.90	5983.45	N 113.42	E 348.32	366.09	2.35
MWD	6384.00	86.70	80.00	5985.18	N 118.17	E 379.91	397.77	9.14
MWD	6416.00	86.20	79.40	5987.16	N 123.88	E 411.33	429.55	2.44
MWD	6447.00	85.50	79.40	5989.40	N 129.57	E 441.73	460.33	2.26
MWD	6478.00	85.50	79.40	5991.84	N 135.25	E 472.10	491.09	0.00
MWD	6509.00	86.40	78.00	5994.02	N 141.31	E 502.42	521.91	5.38
MWD	6541.00	86.00	78.00	5996.15	N 147.95	E 533.66	553.76	1.25
PRO	6588.00	86.00	78.00	5999.42	N 157.70	E 579.52	600.54	0.00

Calculations using Minimum Curvature Method

Printed: 15:01 21-Jun-98

End of Report

SURFACE CASING
10 3/4" 32#, 40#
H. 40
CEMENT CIRC'D

TOC =
1835 81
TEMP SURF.

INT CASING 7 5/8"
26.4 #/ft J-55

CEMENTED W/ 800 SX
TOL = 1835'

TOL = 3342'

PROD LINER
4 1/2" 4.5 #/ft
J-55

OPENHOLE 15"

1485'

OPENHOLE 9 7/8"

3400'

OPENHOLE = 6 3/4"

PERFS 5962'-6092'
5791'-5920'

PBTD = 6216'

TD = 6248'

0.0 - 2100.0 CEMENT
0.0 - 1492.0 CEMENT
0.0 - 1492.0' 13.375" OD SURF CSG

2700.0 - 4788.0' CEMENT
0.0 - 4788.0' 9.625" OD INT CSG
0.0 - 10226.0' CEMENT

9700.0 - 9701.0' ABANDONED PERFS

660 FNL & 760 FWL

SEC 1, TWN 18 S, RANGE 34 E

ELEVATION: 4010 ES

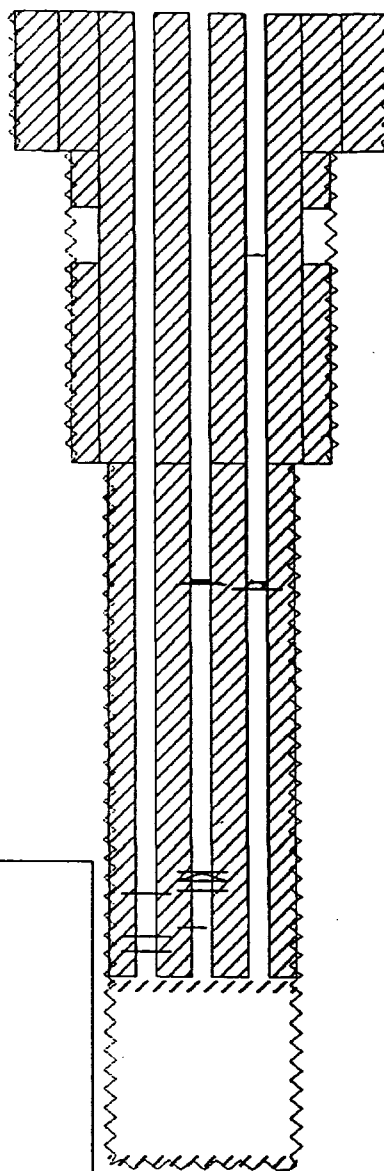
COMPLETION DATE: 11-16-63

COMPLETION INTERVAL: 9938 - 9960 (WFMP)

IP: 284 BOPD, 0 MCFD, 20 BWPD (FLOWING)

SECOND CMPL INTRVL: 6076 - 6094 (GLRT)

IP: 40 BOPD, 0 MCFD, 160 BWPD (S)



KB ELEV: 4010'

TD: 12215'

0.0 - 1492.0' 17.5" OD HOLE

2600.0 - 2610.0' FISH

6025.0 - 6035.0' FISH

1492.0 - 4788.0' 12.25" OD HOLE

0.0 - 9473.0' 2.875" OD TBG

0.0 - 10202.0' 2.875" OD TBG

0.0 - 10226.0' 2.875" OD TBG

6044.0 - 6046.0' ABANDONED PERFS

6076.0 - 6094.0' SQUEEZE PERFS

6000.0 - 6005.0' PLUG

6000.0 - 6094.0' CEMENT PLUG

9068.0 - 9214.0' SQUEEZE PERFS

9283.0 - 9310.0' SQUEEZE PERFS

9337.0 - 9349.0' PERFS

9770.0 - 9800.0' PERFS

9938.0 - 9960.0' PERFS

10265.0 - 10365.0' CEMENT PLUG

4788.0 - 12215.0' 8.75" OD HOLE

12115.0 - 12215.0' CEMENT PLUG

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-105
Revised 1-1-89

WELL COMPLETION OR RECOMPLETION REPORT AND LOG					WELL API NO. 30-025-31132	
1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐					5. Indicate Type of Lease STATE ☒ FEB ☐	
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DEPT. RESVR ☐ OTHER ☐					6. State Oil & Gas Lease No. B-1733-1	
2. Name of Operator TEXACO PRODUCING INC.					7. Lease Name or Unit Agreement Name NEW MEXICO-L-STATE	
3. Address of Operator P. O. Box 3109, Midland, Texas 79702					8. Well No. 10	
4. Well Location Unit Letter B : 280 Feet From The NORTH Line and 2080 Feet From The EAST Line Section 1 Township 18-SOUTH Range 34-EAST NMPM LEA County					9. Pool name or Wildcat VACUUM GLORIETA	
10. Date Spudded 04-18-91	11. Date T.D. Reached 05-03-91	12. Date Compl. (Ready to Prod.) 05-21-91	13. Elevations (DFA, RKB, RT, GR, etc.) GR-3993', KB-4'008'	14. Elev. Casinghead 3993'		
15. Total Depth 6300'	16. Plug Back T.D. 6200'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools 0-6300'	Cable Tools		
19. Producing Interval(s), of this completion - Top, Bottom, Name 6017' - 6132'; GLORIETA					20. Was Directional Survey Made YES	
21. Type Electric and Other Logs Run GR-MSFL-DLL-CAL, GR-LDT-CNL, GR-SONIC					22. Was Well Cored NO	
23. CASING RECORD (Report all strings set in well)						
CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	
11 3/4	42#	1550'	14 3/4	1400 SX, CIRC. 300 SX.		
8 5/8	32#	3000'	11	1050 SX, CIRC. 130 SX.		
5 1/2	15.5#	6300'	7 7/8	D.V. TOOL @ 1583'		
				1375 SX, CIRC. 264 SX		
				D.V. TOOL @ 5018'		
24. LINER RECORD						
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	PACKER SET	
25. TUBING RECORD						
SIZE	DEPTH SET	PACKER SET				
2 7/8	6162'					
26. Perforation record (interval, size, and number) 6017-19', 6023-27', 6056-60', 6064-67', 52 HOLES 6083-86', 6094-96', 6102-04', 6109-14', 6120-24', 6128-32', 80 HOLES						
27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.						
DEPTH INTERVAL		AMOUNT AND KIND MATERIAL USED				
6017' - 6067'		ACID - 3200 GAL 15% NEFE				
6083' - 6132'		ACID - 3200 GAL 15% NEFE				
28. PRODUCTION						
Date First Production 05-15-91		Production Method (Flowing, gas lift, pumping - Size and type pump) PUMPING, 2.5 X 1.5 X 24			Well Status (Prod. or Shut-in) PRODUCING	
Date of Test 05-29-91	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl. 102	Gas - MCF 45	
Flow Tubing Press.		Casing Pressure	Calculated 24-Hour Rate	Water - Bbl. 98	Gas - Oil Ratio 441	
Oil - Bbl.		Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.) 29.8		
29. Disposition of Gas (Sold, used for fuel, vented, etc.) WLD					Test Witnessed By RANDY LOCKLAR	
30. Deviation Survey						
31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief						
Signature C.P. Basham / SOH		Printed Name C. P. BASHAM		Title DRLG. OPNS. MGR.	Date 06-05-91	

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.	30-025-31132
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	B-2146
7. Lease Name or Unit Agreement Name	VACUUM GLORIETA WEST UNIT
8. Well No.	114
9. Pool Name or Wildcat	VACUUM GLORIETA
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3993' GR

SUNDRY NOTICES AND REPORTS ON WELL
(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
TEXACO EXPLORATION & PRODUCTION INC.

3. Address of Operator
205 E. Bender, HOBBS, NM 88240

4. Well Location
Unit Letter B : 280 Feet From The NORTH Line and 2080 Feet From The EAST Line
Section 1 Township 18S Range 34E NMPM LEA COUNTY

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: ☐

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.

11-15-97: MIRU. TIH W/BP & SET @ 5869'.
11-16-97: TEST CSG TO 1100 PSI-OK. ND BOP.
11-19-97: NU & TEST BOP.
11-20-97: TIH & TAG CIBP @ 5870'.
11-22-97: TIH W/3 DEG WHIPSTOCK. MILLING
11-23 THRU 11-28-97: DRILLING. REL RIG 11-28-97.
12-03-97: TIH W/RETR TOOL. LATCH & REL RBP @ 5207'. TIH W/PKR & TBG. PSA 5737'.
12-04 THRU 12-06-97: SWABBING
12-07-97: RAN PMP. REM BOP. RDP. ON PRODUCTION @ 3:30 PM. PUMPING & TESTING.
12-15-97: NDWH. NUBOP. TIH W/PKR & SET @ 5756'. LOAD & TEST CSG TO 500#-OK.
12-16-97: ACIDIZE
12-17-97: TIH W/DSP TOOL ON TBG TO END OF LATERAL @ 7471'. PULL TO 7370'. ACIDIZE 7370-6070' W/30,000 GALS 15% NEFE HCL
12-18-97: UNSET PKR.
12-19-97: TIH W/MOTORS, SEPERATOR, PUMP. NDBOP. NUWH. INSTL FLOW LINE. WELL PUMPED UP @ 3 PM.
12-24-97: ON 24 HR OPT. PUMPED 242 BO, 1148 BW, & 48 MCF.
FINAL REPORT

MD = 7471
AZIMUTH = 297
TVD = 5912
667' NORTH
1247' WEST

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

SIGNATURE J. Denise Leake TITLE Engineering Assistant DATE 3/9/98

TYPE OR PRINT NAME J. Denise Leake Telephone No. 397-0405

(This space for State Use) ORIGINAL SIGNED BY CHRIS WILLIAMS
DISTRICT I SUPERVISOR

APPROVED BY _____ TITLE _____ DATE 11-10-1998

CONDITIONS OF APPROVAL, IF ANY:

OIL CONSERVATION DIVISION

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
Box Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.	30 025 31131
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease	B-1733-1
7. Lease Name or Unit Agreement Name	VACUUM GLORIETA WEST UNIT
8. Well No.	115
9. Pool Name or Wildcat	VACUUM GLORIETA

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____	7. Lease Name or Unit Agreement Name VACUUM GLORIETA WEST UNIT			
b. Type of Completion: NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RES. ☐ OTHER DIRECTIONAL DRILL				
2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.	8. Well No. 115			
3. Address of Operator 205 E. Bender, HOBBS, NM 88240	9. Pool Name or Wildcat VACUUM GLORIETA			
4. Well Location SHL Unit Letter A 604 Feet From The NORTH Line and 856 Feet From The EAST Line BHL Section 1 Township 18S Range 34E NMPM LEA COUNTY				
10. Date Spudded 12/6/97	11. Date T.D. Reached 12/15/97	12. Date Compl. (Ready to Prod.) 12/24/97	13. Elevations (DF & RKB, RT, GR, etc.) 3986 GL	14. Elev. Csghead
15. Total Depth 7459'	16. Plug Back T.D.	17. If Mult. Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name 5848-5860' WINDOW				20. Was Directional Survey Made YES
21. Type Electric and Other Logs Run GR-CCL				22. Was Well Cored NO

23. CASING RECORD (Report all Strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENT RECORD	AMOUNT PULLED
3/4"	42#	1550'	14 3/4"	1400 SX, CIRC 300 SX	
8 5/8"	32#	3000'	11"	1050 SX, CIRC 315 SX	
5 1/2"	15.5#	6300'	7 7/8"	1375 SX, CIRC 90 SX	

24. LINER RECORD				25. TUBING RECORD				
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET	
					2 7/8"	5799'		
26. Perforation record (interval, size, and number) 5848-5860 WINDOW				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.				
				DEPTH INTERVAL				AMOUNT AND KIND MATERIAL USED

28. PRODUCTION							
Date First Production 12/24/97	Production Method (Flowing, gas lift, pumping - size and type pump) PUMPING (SUB PUMP)					Well Status (Prod. or Shut-in) PROD	
Date of Test 1-31-98	Hours tested 24 HRS	Choke Size	Prod'n For Test Period	Oil - Bbl. 450	Gas - MCF 41	Water - Bbl. 290	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API -(Corr.)	
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD						Test Witnessed By	

30. List Attachment	
hereby certify that the information on both sides of this form is true and complete to the best of my knowledge and belief.	
SIGNATURE J. Denise Leake	TITLE Engineering Assistant
DATE 7/14/98	Telephone No. 397-0405

Hobbs and Manager

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION
P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-105
Revised 1-1-89

WELL FILE

WELL API NO. 30-025-31131
5. Indicate Type of Lease STATE ☒ FEB ☐
6. State Oil & Gas Lease No. B-1733-1

WELL COMPLETION OR RECOMPLETION REPORT AND LOG	
1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____	7. Lease Name or Unit Agreement Name NEW MEXICO-L-STATE
b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DUFF RESVR ☐ OTHER _____	

2. Name of Operator TEXACO E & P INC.	8. Well No. 11
3. Address of Operator P. O. Box 3109, Midland, Texas 79702	9. Pool name or Wildcat VACUUM GLORIETA

4. Well Location Unit Letter <u>A</u> : <u>604</u> Feet From The <u>NORTH</u> Line and <u>856</u> Feet From The <u>EAST</u> Line Section <u>1</u> Township <u>18-SOUTH</u> Range <u>34-EAST</u> NMPM LEA County	
---	--

10. Date Spudded 03-28-91	11. Date T.D. Reached 04-15-91	12. Date Compl. (Ready to Prod.) 06-11-91	13. Elevations (DF & RKB, RT, GR, etc.) GR-3986', KB-4001'	14. Elev. Casinghead 3986'
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15. Total Depth 6300'	16. Plug Back T.D. 6250'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools 0-6300'	Cable Tools
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19. Producing Interval(s), of this completion - Top, Bottom, Name 5956' - 6192'; GLORIETA	20. Was Directional Survey Made YES
--	--

21. Type Electric and Other Logs Run GR-MSFL-DLL-CAL, GR-LDT-CNL, GR-SONIC	22. Was Well Cored NO
---	--------------------------

23. **CASING RECORD (Report all strings set in well)**

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
11 3/4	42#	1550'	14 3/4	1400 SX, CIRC. 300 SX.	
8 5/8	32#	3000'	11	1050 SX, CIRC. 315 SX.	
				D.V. TOOL @ 1565'	
5 1/2	15.5#	6300'	7 7/8	1375 SX, CIRC. 90 SX	
				D.V. TOOL @ 4983'	

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2 7/8	6198'

26. Perforation record (interval, size, and number) SEE ATTACHED SUNDRY NOTICE	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	5956' - 5970'	ACID - 2200 GAL 15% NEFE
	5984' - 6092'	ACID - 4700 GAL 15% NEFE
	6145' - 6192'	ACID - 4200 GAL 15% NEFE

28. PRODUCTION							
Date First Production 05-08-91		Production Method (Flowing, gas lift, pumping - Size and type pump) PUMPING, 2.5 X 1.5 X 24					
Date of Test 06-28-91	Hours Tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl. 58	Gas - MCF 100	Water - Bbl.	Gas - Oil Ratio 1324
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Comp)	32.5

29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD	Test Witnessed By D. E. WELLS
--	----------------------------------

30. List Attachments DEVIATION SURVEY, SUNDRY NOTICE

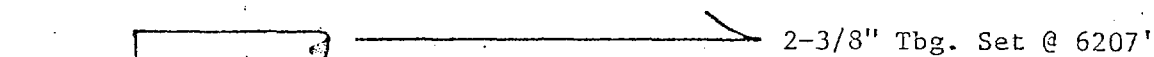
31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature C. P. Basham / SOH Printed Name C. P. BASHAM Title DRLG. OPNS. MGR. Date 07-12-91

VCWU #116

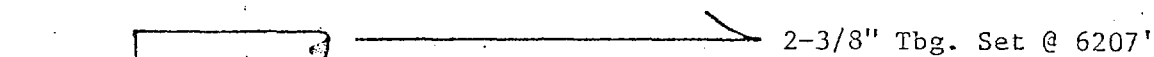
32

FIELD	VACUUM GLORIETA	OPERATOR	MARATHON OIL COMPANY	DATE	6/28/76
LEASE	WARN. STATE a/c 2	WELL NO	12	LOCATION	Sec. 6-T18S-R35E



2-3/8" Tbg. Set @ 6207'

7" casing set at 1503' with 650 sx of Trinity Reg. cement
 Hole size 9-7/8" Cement Top Circ'd (Observed)



Perfs. 5996-6142'

4-1/2" casing set at 6250' with 700 sx of Lite Water cement
 Total Depth 6250' Hole size 6-1/4" Followed w/300 sx Trinity Reg.
 Cement Top 1540' (Temp. Survey)

PBTD @ 6220'

DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

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.	3002520753
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease	B-1113

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐	7. Lease Name or Unit Agreement Name VACUUM GLORIETA WEST UNIT
b. Type of Completion: NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG-BACK ☐ DIFF. RES. ☐ OTHER ☐ HORIZONTAL ☐	
2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.	8. Well No. 116
3. Address of Operator 205 E. Bender, HOBBS, NM 88240	9. Pool Name or Wildcat VACUUM GLORIETA
4. Well Location SHL Unit Letter D : 330 Feet From The NORTH Line and 500 Feet From The WEST Line Section 6 Township 18S Range 35E NMPM LEA COUNTY	

10. Date Spudded 10/03/1999	11. Date T.D. Reached 10/12/1999	12. Date Compl. (Ready to Prod.) 10/19/1999	13. Elevations (DF & RKB, RT, GR, etc.)	14. Elev. Csghead
15. Total Depth 6507'	16. Plug Back T.D.	17. If Mult. Compl. How Many Zones?	18. Intervals Drilled By	Rotary Tools Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name 5908-6507 O.H. GLORIETA				20. Was Directional Survey Made YES
21. Type Electric and Other Logs Run CCL STRIP				22. Was Well Cored NO

23. CASING RECORD (Report all Strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENT RECORD	AMOUNT PULLED
			NO CHANGE		

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
26. Perforation record (interval, size, and number) 5908-6507 O.H.					27. ACID SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.		
					DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED	
					5908-6507	25000 GALS 15% HCL	
						20000 WF130 PAD	

28. PRODUCTION							
Date First Production 10/22/1999		Production Method (Flowing, gas lift, pumping - size and type pump) PUMPING SUB PUMP 2-3.38"				Well Status (Prod. or Shut-in) PROD	
Date of Test 10-26-99	Hours tested 24 HRS.	Choke Size	Prod'n For Test Period	Oil - Bbl. 78	Gas - MCF 20	Water - Bbl. 74	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24- Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API -(Corr.)	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD	Test Witnessed By
--	-------------------

30. List Attachment

31. I hereby certify that the information on both sides of this form is true and complete to the best of my knowledge and belief.

SIGNATURE J. Denise Leake TITLE Engineering Assistant DATE 11/23/1999

TYPE OR PRINT NAME J. Denise Leake Telephone No. 397-0405

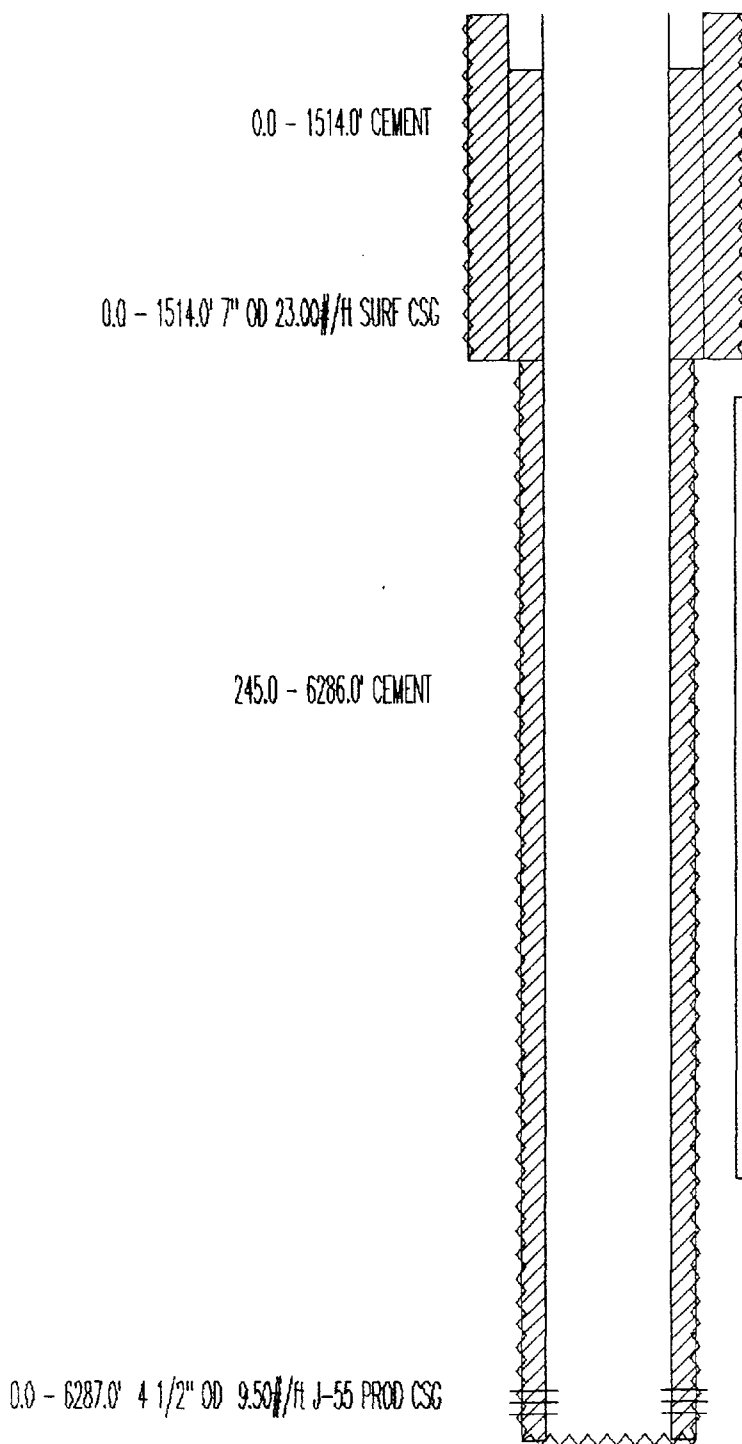


Lateral: 0		Proposed Direction: 99.8				Dog Leg Severity per: 100 feet		
Measured Depth	Inclination	Azimuth	True Vertical Depth	North/South Coordinate	East/West Coordinate	Vertical Section	Dog Leg Severity	Survey Tool
5903	1.20	347.30	5902.40	11.40	-9.20	-11.01	0.00	
5945	18.70	115.80	5943.68	8.87	-3.18	-4.64	46.35	
5955	24.20	116.10	5952.99	7.27	0.11	-1.13	55.01	
5965	30.00	117.20	5961.89	5.23	4.18	3.23	58.21	
5975	36.70	116.00	5970.24	2.77	9.09	8.49	67.32	
5985	43.80	113.20	5977.86	0.10	14.97	14.73	73.25	
5995	50.70	110.50	5984.65	-2.63	21.78	21.91	71.78	
6008	59.70	107.30	5992.06	-6.06	31.87	32.44	72.11	
6039	80.00	101.40	6002.69	-13.14	59.93	61.29	67.84	
6068	85.60	100.10	6006.33	-18.50	88.18	90.05	19.82	
6100	88.00	100.10	6008.11	-24.11	119.64	121.99	7.50	
6131	87.90	99.40	6009.22	-29.35	150.17	152.97	2.28	
6162	88.30	100.10	6010.25	-34.60	180.70	183.96	2.60	
6194	87.90	100.70	6011.31	-40.37	212.16	215.94	2.25	
6225	87.70	101.10	6012.50	-46.23	242.58	246.91	1.44	
6256	88.80	101.20	6013.45	-52.22	272.98	277.88	3.56	
6287	88.40	102.80	6014.20	-58.67	303.29	308.85	5.32	
6319	88.10	102.30	6015.18	-65.62	334.51	340.80	1.82	
6349	88.20	102.20	6016.15	-71.98	363.81	370.76	0.47	
6380	87.80	102.50	6017.23	-78.60	394.08	401.71	1.61	
6412	88.50	102.40	6018.26	-85.50	425.31	433.66	2.21	
6443	89.00	102.00	6018.94	-92.05	455.60	464.62	2.07	
6474	88.10	101.10	6019.73	-98.25	485.96	495.60	4.11	
6507	88.10	101.10	6020.82	-104.60	518.33	528.57	0.00	

DJC

Vacuum Glorieta West Un 117
Current Wellbore Diagram

1-16-97



Location: Unit Letter C, 6 - 18S - 35E
Formation: Vacuum Glorieta
Completion Date 8/9/64
Original Completion:
Perforations: 6027'-28', 6031'-32', 6038'-39'
Stimulated with 1000 gallons Acid
IP: 115 BO, 0 BW (14 hour test, flowing)
6/25/73: Workover
Added Glorieta Perforations
6076'-6082', 6104'-05', 6107'-09', 6131'-32', 6135'-43',
6149'-51', 6164'-70' (2 jspl, 52 holes)
Stimulated new perforations with 3900 g 20% acid + 75 ball
sealers.
IP: 119 BO, 14 BW (24 hours)

6027.0 - 6170.0' PERFS
1514.0 - 6287.0' 6.25" OD HOLE

KB ELEV: 11'
PBD: 6254'
TD: 6287'

Hobbs

WELL FILE

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies
DISTRICT I

P.O. Box 1980, Hobbs, NM 88240

DISTRICT II

P.O. Drawer DD, Artesia, NM 88210

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-105
Revised 1-1-89

WELL API NO. 30-025-31859	
5. Indicate Type of Lease STATE ☒ FEE ☐	
6. State Oil & Gas Lease No. B-1733-2	

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER WATER INJECTION		7. Lease Name or Unit Agreement Name VACUUM GLORIETA WEST UNIT
1b. Type of Completion: NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER		
2. Name of Operator TEXACO EXPLORATION AND PRODUCTION INC.		8. Well No. 120
3. Address of Operator P. O. Box 3109, Midland, Texas 79702		9. Pool name or Wildcat VACUUM GLORIETA

4. Well Location Unit Letter <u>B</u> : <u>1102</u> Feet From The <u>NORTH</u> Line and <u>1575</u> Feet From The <u>EAST</u> Line Section <u>1</u> Township <u>18-SOUTH</u> Range <u>34-EAST</u> NMPM LEA County	
---	--

10. Date Spudded 06-30-93	11. Date T.D. Reached 07-08-93	12. Date Compl. (Ready to Prod.) 07-23-93	13. Elevations (DF & RKB, RT, GR, etc.) GR-3988', KB-4002'	14. Elev. Casinghead 3988'
15. Total Depth 6321'	16. Plug Back T.D. 6266'	17. If Multiple Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools 0 - 6321'	Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name 6083' - 6188'; GLORIETA				20. Was Directional Survey Made YES

21. Type Electric and Other Logs Run GR-DLL-MSFL, GR-DSN-SDL	22. Was Well Cored NO
---	--------------------------

23. CASING RECORD (Report all strings set in well)					
CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	1470'	11	CL-C 650 SXS, CIRC. 23 SX	
5 1/2	15.5# & 17#	6321'	7 7/8	CL-H 1460 SXS, TOC @ 475'	
				BY T.S.	

24. LINER RECORD					25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET	PACKER SET
					2 3/8	6014'	6014'

26. Perforation record (interval, size, and number) 6083-6113, 6120-6133, 6137-6164, 6176-6188; 2 JSPF, 164 HOLES.	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.	
	DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
	6083' - 6188'	ACID - 3300 GAL, 15% HCL

28. PRODUCTION							
Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in) SHUT-IN	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	

29. Disposition of Gas (Sold, used for fuel, vented, etc.)	Test Witnessed By RANDY TRAMMEL
--	------------------------------------

30. List Attachments DEVIATION SURVEY
--

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature C.P. Basham / SDH Printed Name C.P. BASHAM Title DRLG. OPER. MGR. Date 07-26-93

Holmes Urea/Monte Duncan

WELL FILE

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO.
30-025-31876

5. Indicate Type of Lease
STATE ☒ FEE ☐

6. State Oil & Gas Lease No.
B-1733-2

7. Lease Name or Unit Agreement Name
VACUUM GLORIETA WEST UNIT

8. Well No.
121

9. Pool name or Wildcat
VACUUM GLORIETA

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER WATER INJECTION

b. Type of Completion:
NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER ☐

2. Name of Operator
TEXACO EXPLORATION AND PRODUCTION INC.

3. Address of Operator
P. O. Box 3109, Midland, Texas 79702

4. Well Location
Unit Letter A : 964 Feet From The NORTH Line and 90 Feet From The EAST Line
Section 1 Township 18-SOUTH Range 34-EAST NMPM LEA County

10. Date Spudded 07-10-93 11. Date T.D. Reached 07-24-93 12. Date Compl. (Ready to Prod.) 08-08-93 13. Elevations (DF& RKB, RT, GR, etc.) GR-3986', KB-4000' 14. Elev. Casinghead 3986'

15. Total Depth 6343' 16. Plug Back T.D. 6298' 17. If Multiple Compl. How Many Zones? 18. Intervals Drilled By Rotary Tools 0 - 6343' Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name 5996' - 6238'; GLORIETA 20. Was Directional Survey Made YES

21. Type Electric and Other Logs Run GR-DLL-MSFL, GR-DSN-SDL-CSNG, GR-CCL-FULL WAVE SONIC 22. Was Well Cored YES

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	1450'	11	CL-C 650 SX, CIRC. 97 SX	
5 1/2	15.5# & 17#	6343'	7 7/8	CL-H 1600 SX, CIRC. 50 SX	

LINER RECORD				TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2 3/8	5913'

26. Perforation record (interval, size, and number)
5996-6019, 6024-6082, 6094-6126, 6170-6238;
2 JSPF, 362 HOLES.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.
DEPTH INTERVAL 5996' - 6238' AMOUNT AND KIND MATERIAL USED ACID - 7000 GAL, 15% HCL

PRODUCTION

Date First Production		Production Method (Flowing, gas lift, pumping - Size and type pump)				Well Status (Prod. or Shut-in) SHUT-IN	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	

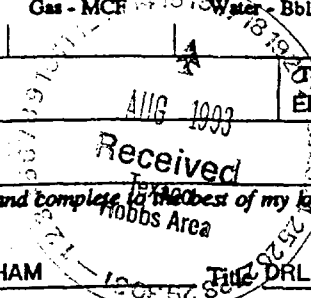
29. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By
EDDIE WELBORN

30. List Attachments
DEVIATION SURVEY

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature *C. P. Basham* Printed Name C. P. BASHAM Title DRILG. OPER. MGR. Date 08-12-93



SCIENTIFIC DRILLING**HORIZONTAL SURVEY PROGRAM****MINIMUM CURVATURE CALCULATIONS(SPE-3362)**OPERATOR: **TEXACO E. & P., INC**

START: 5/28/00

WELL: **VGWU #121**

UPPER LATERAL (WEST)

FINISH: 5/30/00

LOCATION: **LEA COUNTY, NEW MEXICO**INFORMATION PROVIDED BY: **SDI**JOB NO: **32D0500182**HORIZONTAL COORDINATOR: **B. LAMB - RD BRUSENHAN**

DIP1 = 0.00 deg = 90.00 deg
 TARGET1 = 6,010 ft TVD
 VS1 = 119 ft

DIP2 = 0.00 deg = 90.00
 TARGET2 = 6,010 ft TVD
 VS2 = 1,000 ft

DATE: 5/30/00 TIME: 11:40 AM DECLINATION=

9.36 DIRECTION 260.00

SVY #	MEASURED DEPTH	INCL (DRIFT)	AZIMUTH (DIR)	VERTICAL DEPTH	VERTICAL SECTION	DLS/ 100	ACTUAL BUR	BUR REQ'D	CENTER				NORTH(+) SOUTH(-)	EAST(+) WEST(-)
									ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)	RIIGHT(+) LEFT(-)	RIIGHT(+) LEFT(-)		
TIE	5900	2.35	262.71	5898.6	2.1	0.0	0.0	49.3	111.4	-27.9	-29.1	-29.1	2.9	
1	5950	35.00	261.80	5945.3	18.0	65.3	65.3	37.8	64.7	-28.6	-31.3	-31.3	-12.7	
2	5960	40.50	259.40	5953.2	24.1	56.9	55.0	35.4	56.8	-28.6	-32.3	-32.3	-18.8	
3	5973	47.30	262.50	5962.6	33.1	54.8	52.3	32.0	47.4	-28.4	-33.7	-33.7	-27.7	
4	5993	58.80	264.60	5974.6	49.0	58.1	57.5	23.4	35.4	-27.4	-35.5	-35.5	-43.5	
5	6013	68.60	264.60	5983.4	66.9	49.0	49.0	14.9	26.6	-26.0	-37.2	-37.2	-61.4	
6	6033	72.70	264.60	5990.1	85.7	20.5	20.5	13.0	19.9	-24.5	-39.0	-39.0	-80.1	
7	6053	76.20	263.60	5995.4	104.9	18.2	17.5	11.4	14.6	-23.1	-41.0	-41.0	-99.3	
8	6073	78.80	263.60	5999.8	124.4	13.0	13.0	10.7	10.2	-21.9	-43.1	-43.1	-118.7	
9	6093	79.90	263.30	6003.5	144.0	5.7	5.5	13.6	6.5	-20.7	-45.4	-45.4	-138.2	
10	6103	81.10	262.50	6005.1	153.9	14.4	12.0	14.1	4.9	-20.2	-46.6	-46.6	-148.0	
11	6131	84.80	261.50	6008.5	181.6	13.7	13.2	16.2	1.5	-19.2	-50.5	-50.5	-175.5	
12	6162	89.40	261.10	6010.1	212.6	14.9	14.8	-2.7	-0.1	-18.5	-55.1	-55.1	-206.1	
13	6194	90.80	261.10	6010.1	244.6	4.4	4.4	-9.4	-0.1	-17.9	-60.1	-60.1	-237.7	
14	6225	91.00	261.80	6009.6	275.5	2.3	0.6	2.0	0.4	-17.1	-64.7	-64.7	-268.4	
15	6257	88.50	261.50	6009.7	307.5	7.9	-7.8	6.8	0.3	-16.2	-69.4	-69.4	-300.0	
16	6289	87.80	260.80	6010.7	339.5	3.1	-2.2	-5.7	-0.7	-15.6	-74.3	-74.3	-331.6	
17	6320	88.50	261.10	6011.7	370.5	2.5	2.3	-1.1	-1.7	-15.0	-79.1	-79.1	-362.2	
18	6352	90.60	261.10	6012.0	402.5	6.6	6.6	-0.2	-2.0	-14.4	-84.1	-84.1	-393.9	
19	6383	90.30	260.80	6011.8	433.5	1.4	-1.0	0.0	-1.8	-13.9	-89.0	-89.0	-424.5	
20	6415	93.10	261.50	6010.8	465.4	9.0	8.7	-10.4	-0.8	-13.3	-93.9	-93.9	-456.1	
21	6447	94.10	261.80	6008.8	497.4	3.3	3.1	12.2	1.2	-12.3	-98.5	-98.5	-487.7	
22	6478	95.00	262.20	6006.3	528.3	3.2	2.9	6.0	3.7	-11.3	-102.8	-102.8	-518.3	
23	6510	95.00	262.20	6003.5	560.1	0.0	0.0	3.4	6.5	-10.0	-107.2	-107.2	-549.9	
24	6541	91.10	261.10	6001.9	591.0	13.1	-12.6	0.1	8.1	-9.2	-111.7	-111.7	-580.5	
25	6573	91.00	260.80	6001.3	623.0	1.0	-0.3	0.1	8.7	-8.6	-116.7	-116.7	-612.1	
26	6605	90.80	260.40	6000.8	655.0	1.4	-0.6	0.1	9.2	-8.3	-121.9	-121.9	-643.6	
27	6636	91.10	260.40	6000.3	686.0	1.0	1.0	0.1	9.7	-8.1	-127.1	-127.1	-674.2	

SCIENTIFIC DRILLING

HORIZONTAL SURVEY PROGRAM

MINIMUM CURVATURE CALCULATIONS(SPE-3362)

OPERATOR: TEXACO E. & P., INC
 WELL: VGWU #121
 LOCATION: LEA COUNTY, NEW MEXICO
 JOB NO: 32D0500182
 UPPER LATERAL (WEST)
 INFORMATION PROVIDED BY: SDI
 HORIZONTAL COORDINATOR: B. LAMB - RD BRUSENHAN

START: 5/28/00
 FINISH: 5/30/00
 DIP1 = 0.00 deg = 90.00 deg
 TARGET1 = 6,010 ft TVD
 VS1 = 119 ft
 DIP2 = 0.00 deg = 90.00 deg
 TARGET2 = 6,010 ft TVD
 VS2 = 1,000 ft

DATE: 5/30/00 TIME: 11:40 AM DECLINATION= 9.36 DIRECTION 260.00

SVY #	MEASURED DEPTH	INCL (DRIFT)	AZIMUTH (DIR)	VERTICAL DEPTH	VERTICAL SECTION	DLS/ 100	ACTUAL BUR	BUR REQ'D	CENTER			
									ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)	NORTH(+) SOUTH(-)	EAST(+) WEST(-)
28	6668	91.50	260.80	5999.6	718.0	1.8	1.3	0.2	10.4	-7.7	-132.3	-705.8
29	6700	92.60	261.50	5998.4	750.0	4.1	3.4	0.5	11.6	-7.1	-137.2	-737.4
30	6732	94.30	261.50	5996.5	781.9	5.3	5.3	1.2	13.5	-6.3	-141.9	-769.0
BIT	6770	94.30	261.50	5993.6	819.8	0.0	0.0	1.0	16.4	-5.3	-147.5	-806.4

SCIENTIFIC DRILLING

HORIZONTAL SURVEY PROGRAM
MINIMUM CURVATURE CALCULATIONS(SPE-3362)

OPERATOR: TEXACO E. & P., INC

WELL: VGUWJ #121

LOWER LATERAL (EAST)

LOCATION: LEA COUNTY, NEW MEXICO

JOB NO: 32D0500182

START: 5/24/00

FINISH: 5/6/00

INFORMATION PROVIDED BY: SDI

HORIZONTAL COORDINATOR: B. LAMB - RD BRUSENHAN

DIP1 = -0.86 deg = 89.14 deg
TARGET1 = 6,015 ft TVD
VS1 = 81 ft
DIP2 = -0.86 deg = 89.14 deg
TARGET2 = 6,025 ft TVD
VS2 = 750 ft

DATE: 5/29/00 TIME: 10:01 AM DECLINATION = 9.36 DIRECTION: 80.00

MEASURED DEPTH	INCL (DRIFT)	AZIMUTH (DIR)	VERTICAL DEPTH	VERTICAL SECTION	DLS/ 100	ACTUAL BUR	BUR REQ'D	CENTER		NORTH(+) SOUTH(-)	EAST(+) WEST(-)
								ABOVE(+) BELOW(-)	RIGHT(+) LEFT(-)		
5927	2.58	264.60	5925.6	-3.3	0.2	0.0	61.1	88.1	29.2	-29.3	1.8
5968	26.60	75.80	5965.3	5.1	71.1	58.6	63.5	48.6	28.4	-27.1	10.0
5978	34.80	75.80	5973.9	10.2	82.0	82.0	59.6	40.1	28.0	-25.8	14.9
5988	42.20	75.80	5981.7	16.4	74.0	74.0	56.2	32.4	27.6	-24.3	20.9
5993	46.10	75.80	5985.3	19.9	78.0	78.0	53.5	28.8	27.3	-23.5	24.3
6010	58.90	76.50	5995.6	33.3	75.4	75.3	41.7	18.7	26.4	-20.2	37.4
6030	72.70	76.90	6003.8	51.5	69.0	69.0	21.7	10.8	25.4	-16.1	55.1
6040	74.80	77.60	6006.6	61.1	22.0	21.0	22.0	8.1	24.9	-13.9	64.5
6050	76.20	77.90	6009.1	70.7	14.3	14.0	25.2	5.8	24.5	-11.9	73.9
6060	77.60	78.30	6011.3	80.5	14.5	14.0	31.7	3.7	24.2	-9.9	83.4
6070	79.00	78.70	6013.4	90.2	14.5	14.0	50.5	1.8	24.0	-7.9	93.0
6080	80.60	79.00	6015.1	100.1	16.3	16.0	427.2	0.1	23.8	-6.0	102.7
6090	82.30	79.00	6016.6	110.0	17.0	17.0	-34.3	-1.2	23.6	-4.1	112.4
6100	83.80	79.30	6017.8	119.9	15.3	15.0	-11.1	-2.3	23.4	-2.3	122.1
6135	88.30	79.70	6020.2	154.8	12.9	12.9	-0.1	-4.1	23.1	4.1	156.5
6167	89.00	79.30	6021.0	186.8	2.5	2.2	0.0	-4.4	22.9	9.9	187.9
6199	90.40	78.30	6021.2	218.8	5.4	4.4	-0.3	-4.1	22.2	16.1	219.3
6231	91.10	78.30	6020.8	250.8	2.2	2.2	-1.0	-3.2	21.2	22.6	250.6
6262	91.10	78.30	6020.2	281.8	0.0	0.0	-1.6	-2.1	20.3	28.9	281.0
6294	92.00	78.70	6019.3	313.7	3.1	2.8	-9.0	-0.8	19.5	35.3	312.3
6325	92.20	79.00	6018.2	344.7	1.2	0.6	10.1	0.8	18.9	41.3	342.7
6357	92.00	79.70	6017.0	376.7	2.3	-0.6	2.9	2.5	18.5	47.2	374.2
6388	91.00	77.60	6016.2	407.7	7.5	-3.2	0.8	3.7	17.8	53.3	404.5
6420	89.60	77.20	6016.0	439.6	4.6	-4.4	0.0	4.4	16.3	60.3	435.8
6452	86.90	76.20	6017.0	471.6	9.0	-8.4	1.1	3.9	14.5	67.6	466.9
6484	86.00	76.20	6019.0	503.4	2.8	-2.8	3.6	2.4	12.4	75.2	497.9
6514	89.60	78.30	6020.1	533.4	13.9	12.0	0.1	1.7	10.9	81.9	527.1
6546	91.00	77.60	6019.9	565.3	4.9	4.4	1.3	2.3	9.8	88.5	558.4

SCIENTIFIC DRILLING**HORIZONTAL SURVEY PROGRAM****MINIMUM CURVATURE CALCULATIONS(SPE-3362)**OPERATOR: **TEXACO E. & P., INC**

START: 5/24/00

WELL: **VGWU #121**

LOWER LATERAL (EAST)

FINISH: 5/6/00

LOCATION: **LEA COUNTY, NEW MEXICO**INFORMATION PROVIDED BY: **SDI**JOB NO: **32D0500182**HORIZONTAL COORDINATOR: **B. LAMB - RD BRUSENHAN**

DIP1 = -0.86 deg = 89.14 deg

DIP2 = -0.86 deg = 89.14

TARGET1 = 6.015 ft TVD

TARGET2 = 6.025 ft TVD

VS1 = 81 ft

VS2 = 750 ft

DATE: 5/29/00 TIME: 10:01 AM DECLINATION=

9.36 DIRECTION: 80.00

TRUE**CENTER**

SVY #	MEASURED DEPTH	INCL (DRIFT)	AZIMUTH (DIR)	VERTICAL DEPTH	VERTICAL SECTION	DLS/ 100	ACTUAL BUR	BUR REQ'D	ABOVE(+) BELOW(-)		RIGHT(+) LEFT(-)	NORTH(+) SOUTH(-)		EAST(+) WEST(-)
27	6578	93.30	77.60	6018.7	597.3	7.2	7.2	3.8	4.0	6.6	8.4	95.4	95.4	589.7
28	6610	94.30	77.20	6016.6	629.2	3.4	3.1	3.5	6.6	9.5	7.0	102.4	102.4	620.8
29	6642	94.50	77.20	6014.2	661.0	0.6	0.6	2.6	9.5	12.5	5.4	109.4	109.4	651.9
30	6673	94.80	76.50	6011.7	691.9	2.4	1.0	2.2	12.5	14.7	3.7	116.5	116.5	682.0
31	6694	95.40	75.80	6009.8	712.8	4.4	2.9	2.3	14.7	18.7	2.3	121.5	121.5	702.3
TD	6731	95.40	75.80	6006.3	749.5	0.0	0.0	1.8	18.7		-0.4	130.5	130.5	738.1

Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

DISTRICT I
P.O. Box 1980, Hobbs, NM 88240

DISTRICT II
P.O. Drawer DD, Artesia, NM 88210

DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

State of New Mexico
Energy, Minerals and Natural Resources Department

OIL CONSERVATION DIVISION

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

Form C-105
Revised 1-1-89

WELL API NO.

30-025-31877

5. Indicate Type of Lease

STATE ☒ FEE ☐

6. State Oil & Gas Lease No.

B-1113-1

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well:
OIL WELL ☐ GAS WELL ☐ DRY ☐ OTHER WATER INJECTION

b. Type of Completion:

NEW WELL ☒ WORK OVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RESVR ☐ OTHER

2. Name of Operator
TEXACO EXPLORATION AND PRODUCTION INC.

8. Well No.

122

3. Address of Operator
P. O. Box 3109, Midland, Texas 79702

9. Pool name or Wildcat

VACUUM GLORIETA

4. Well Location

Unit Letter D: 845 Feet From The NORTH Line and 1061 Feet From The WEST Line

Section 6 Township 18-SOUTH Range 35-EAST NMPM LEA County

10. Date Spudded

08-21-93

11. Date T.D. Reached

08-28-93

12. Date Compl. (Ready to Prod.)

09-16-93

13. Elevations (DFA RKB, RT, GR, etc.)

GR-3983', KB-3997'

14. Elev. Casinghead

3983'

15. Total Depth

6373'

16. Plug Back T.D.

6256'

17. If Multiple Compl. How Many Zones?

18. Intervals Drilled By

Rotary Tools
0 - 6373'

Cable Tools

19. Producing Interval(s), of this completion - Top, Bottom, Name

6033' - 6251'; GLORIETA

20. Was Directional Survey Made

YES

1. Type Electric and Other Logs Run

GR-DLL-MSFL, GR-DSN-SDL

22. Was Well Cored

NO

23.

CASING RECORD (Report all strings set in well)

CASING SIZE	WEIGHT LB/FT.	DEPTH SET	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED
8 5/8	24#	1440'	11	CL-C 650 SX, CIRC.129 SX	
5 1/2	15.5# & 17#	6373'	7 7/8	CL-H 1780 SX, CIRC.158 SX	

24.

LINER RECORD

SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN

25. TUBING RECORD

SIZE	DEPTH SET	PACKER SET
2 3/8	5973'	5973'

26. Perforation record (interval, size, and number)

6033-6053, 6061-6079, 6155-6167, 6218-6224, 6232-6251; 2 JSPF, 130 HOLES.

27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC.

DEPTH INTERVAL	AMOUNT AND KIND MATERIAL USED
6033' - 6251'	ACID - 2600 GAL, 15% HCL

28.

PRODUCTION

Date First Production	Production Method (Flowing, gas lift, pumping - Size and type pump)					Well Status (Prod. or Shut-in)	
						SHUT-IN	
Date of Test	Hours Tested	Choke Size	Prod'n For Test Period	Oil - Bbl.	Gas - MCF	Water - Bbl.	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API - (Corr.)	

9. Disposition of Gas (Sold, used for fuel, vented, etc.)

Test Witnessed By
RANDY TRAMMEL

30. List Attachments

DEVIATION SURVEY

31. I hereby certify that the information shown on both sides of this form is true and complete to the best of my knowledge and belief

Signature

C. P. Basham / JKH

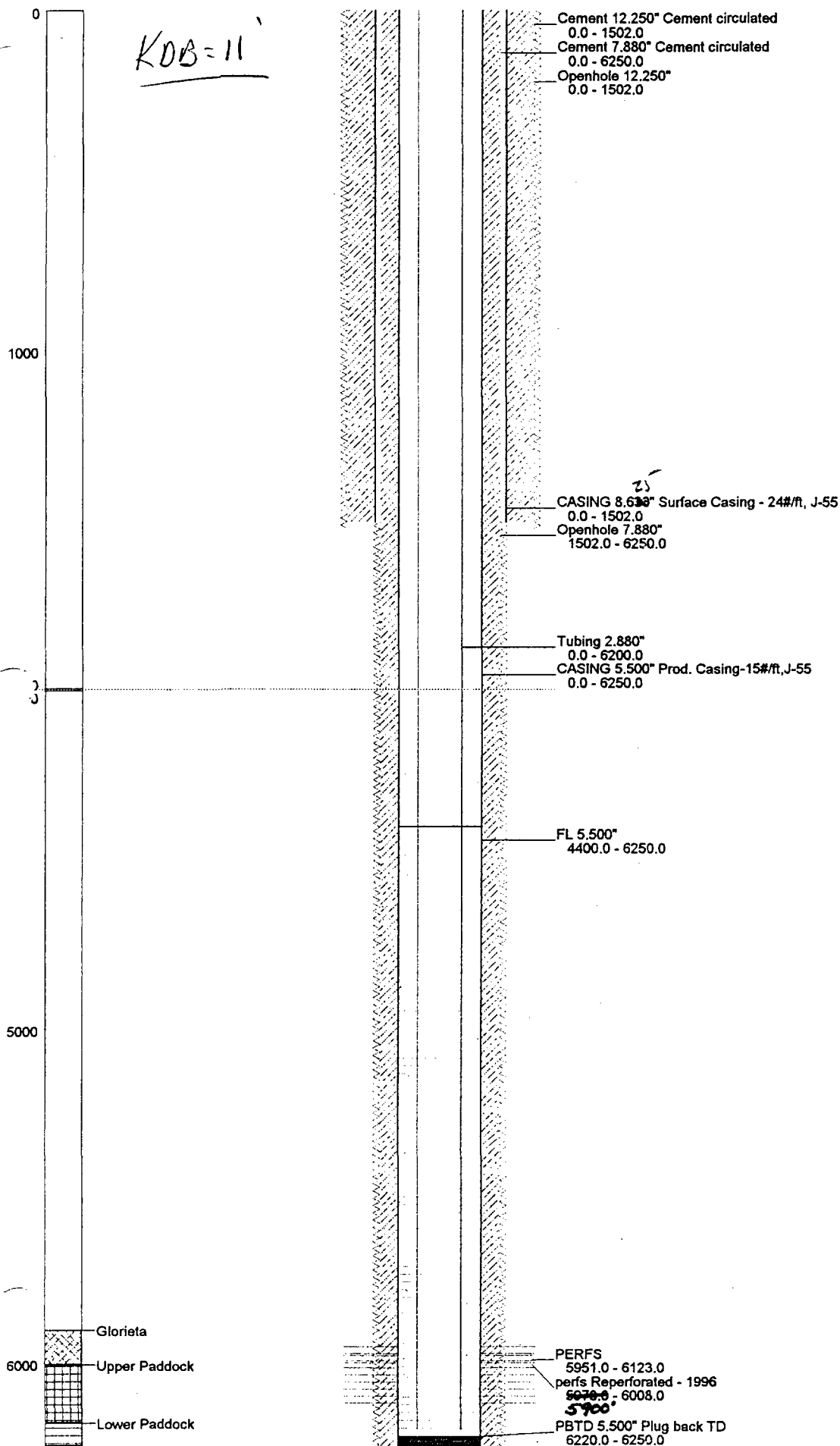
Printed Name

C.P. BASHAM

Title DRLG. OPER. MGR.

Date 09-23-93

Name: 126 ID: 3002521031 Type: SIO Date: 19971216
KB: 4623.0 TD: 6300.0 PBTD: 6135.0 Comp Date: 0



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.	30-025-21031
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	B-1113
7. Lease Name or Unit Agreement Name	VACUUM GLORIETA WEST UNIT
8. Well No.	126
9. Pool Name or Wildcat	VACUUM GLORIETA

SUNDY 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 PERMIT
(FORM C-101) FOR SUCH PROPOSALS.

1. Type of Well: OIL WELL ☒ GAS WELL ☐ OTHER Horizontal

2. Name of Operator
TEXACO EXPLORATION & PRODUCTION INC.

3. Address of Operator
205 E. Bender, HOBBS, NM 88240

4. Well Location
Unit Letter E : 1660 Feet From The NORTH Line and 380 Feet From The WEST Line
Section 6 Township 18S Range 35E NMPM LEA COUNTY

10. Elevation (Show whether DF, RKB, RT, GR, etc.)

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: ☒ Horizontal

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.

10-07-99: MIRU. NDWH. NUBOP. RU SPOOLER. RU KILL TRUCK PMJP FW DN ANNULUS. TIH W/BIT & CSG SCRAPER TO 5915'.
10-09-99: SET CMT RET @ 5890'. TEST ANNULUS TO 500 PSI. TEST TBG TO 2500 PSI. PUMP 1250 SX CL H.
10-10-99: TIH W/10 STNDS TBG. PUMP 200 SX CL H. TEST CSG TO 850 PSI. TIH W/BIT. TAG CMT RET.
10-11-99: TIH W/GAUGE RING. TAG RET @ 5890'. TIH & SET PKR @ 5887'.
10-15-99: MIRU RIG #119. NUBOP. TEST TO 1000 PSI. PU WHIPSTOCK. MILL 5866-5867', 5867-5872. REAM 5870-5872, MILL 5872-5874.
10-17-99: MILL 5874-5875. SLIDE DRILL 5875-5882, 5882-5887, 5887-5918, 5918-5928.
10-18-99: DRILL 5928-6054, 6054-6090.
10-19-99: DRILL 6090-6114, 6170, 6180, 6223, 6241, 6296, 6308, 6391, 6401, 6455, 6462, 6486, 6496, 6565, 6575, 6739, 6746, 6770, 6785, 6895, 6900, 6990, 6995, 7021, 7026, 7085, 7100, 7164, 7182, 7200.
10-21-99: ROTATE 7200-7209 TD @ 6:30 TIH W/OVERSHOT, GRAPPLE, JARS, DC'S. CATCH WHIPSTOCK. JAR FREE. TIH W/SUB.
10-22-99: TIH & LATCH INTO PKR. MILKL 5833-5834, 5837, 5838. TIH W/MILL #4.
10-23-99: MILL 5858-5839, 5844, 5852, 5853, 5856. COULD NOT GET BIT TO KICK OFF. DRILL DN BESIDE CSG. TIH W/NEW BIT & RUN GYRO.
DRILL 5841-5852.
10-25-99: SLIDE DRILL 5852-53, 5885, 5916. REL GYRO. SLIDE FR 5916-6042, 6073, 6156, 6199, 6209, 6263, 6275, 6295, 6305, 6358, 6373, 6429, 6439, 6570, 6580, 6642, 6650, 6695, 6705, 6737, 6769, 6775, 6916. TD HLE @ 1300 HRS 10-26-99. TIH W/RBP SET @ 5495'. TEST TO 500 PSI. NDBOP. NU RENTAL BOP.
10-28-99: NDBOP. RIG REL
10-29-99: MIRUSU. TIH TO 5618'. RBP @ 5695'. REL RBP. TIH W/MOTOR, SEAL SSY, GAS SEPR, PUMP, TBG. NDBOP STACK.
11-07-99: NDWH. NUBOP. PULL SUB PUMP. PU BENT SUB, TBG, PKR. TIH W/SUB, PKR, TBG. TOP PKR @ 5744'. RDSU.
11-09-99: MIRU COIL TBG UNIT. STIM LOWER LATERAL W/20,000 GALS 15% HCL.
11-11-99: RU KILL TRUCK. OPEN PKR BYPASS. CIRC 125 BBLS 10# BRINE DN BACKSIDE. LD PKR. TIH W/RBP TO 5836'.
11-12-99: SET RBP BELOW UPPER WINDOW. TIH W/BHA. PSA 5734'.

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

SIGNATURE J. Denise Leake TITLE Engineering Assistant DATE 12/9/99

PE OR PRINT NAME J. Denise Leake Telephone No. 397-0405

(This space for State Use)

APPROVED

CONDITIONS OF APPROVAL, IF ANY: _____ TITLE _____ DATE _____

11-13-99: RU COIL TBG UNIT. TEST BOP. STIM HORIZONTAL PATH IN 8 STGSM FR 6840-6040
W/ACID. RD COIL TBG UNIT.

11-14-99: FLOW WELL TO TEST TANK.

11-16-99: OPEN PKR BYPASS. CIRC 30 BBLS BRINE DN TBG. REL PKR. TIH W/RETR HEAD TO
TOP OF RBP @ 5845'. REL RBP.

11-17-99: RU KILL TRUCK. PUMP 20 BBLS BRINE DN TBG. CHANGE OUT BOP RAMS. TIH
W/TBG & MOTOR, GAS SEPR, PUMP, . SET PUMP @ 5776'.

11-22-99: ON 24 HR OPT. PUMPED 737 BO, 269 BW, & 90 MCF.

FINAL REPORT



Lateral: 0

Proposed Direction: 104.8

Dog Leg Severity per: 100 feet

Measured Depth	Inclination	Azimuth	True Vertical Depth	North/South Coordinate	East/West Coordinate	Vertical Section	Dog Leg Severity	Survey Tool
0	0.00	0.00	0.00	0.00	0.00	0.00	0.00	GYRO
100	0.72	218.14	100.00	-0.49	-0.39	-0.25	0.72	
200	0.63	232.92	199.99	-1.32	-1.21	-0.84	0.20	
300	0.54	236.64	299.99	-1.91	-2.05	-1.49	0.10	
400	0.46	238.14	399.98	-2.38	-2.78	-2.08	0.08	
500	0.14	206.25	499.98	-2.70	-3.18	-2.38	0.35	
600	0.29	107.71	599.98	-2.89	-2.99	-2.15	0.34	
700	0.32	106.34	699.98	-3.04	-2.48	-1.62	0.03	
800	0.28	106.25	799.98	-3.19	-1.98	-1.10	0.04	
900	0.29	96.78	899.98	-3.29	-1.49	-0.60	0.05	
1000	0.18	110.54	999.97	-3.38	-1.09	-0.20	0.12	
1100	0.14	129.42	1099.97	-3.51	-0.85	0.07	0.07	
1200	0.26	173.52	1199.97	-3.81	-0.73	0.27	0.19	
1300	0.34	154.09	1299.97	-4.30	-0.58	0.54	0.13	
1400	0.26	151.81	1399.97	-4.77	-0.34	0.89	0.08	
1500	0.30	139.40	1499.97	-5.17	-0.06	1.26	0.07	
1600	0.46	132.16	1599.97	-5.64	0.41	1.83	0.17	
1700	0.59	119.76	1699.96	-6.16	1.15	2.69	0.17	
1800	0.58	121.74	1799.96	-6.68	2.03	3.67	0.02	
1900	0.63	130.70	1899.95	-7.31	2.87	4.65	0.11	
2000	0.80	109.31	1999.94	-7.90	3.95	5.84	0.31	
2100	0.98	89.00	2099.93	-8.11	5.46	7.36	0.36	
2200	1.22	83.08	2199.91	-7.97	7.38	9.17	0.27	
2300	1.98	60.13	2299.88	-6.98	9.93	11.39	0.98	
2400	2.38	52.22	2399.80	-4.85	13.07	13.88	0.50	
2500	2.39	56.31	2499.72	-2.42	16.45	16.52	0.17	
2600	2.50	57.98	2599.63	-0.11	20.03	19.39	0.13	
2700	2.52	57.57	2699.53	2.23	23.73	22.38	0.03	
2800	2.25	59.94	2799.44	4.39	27.29	25.26	0.29	
2900	2.17	58.44	2899.37	6.36	30.60	27.96	0.10	
3000	1.58	48.41	2999.32	8.27	33.25	30.03	0.67	
3100	1.22	55.59	3099.29	9.79	35.16	31.49	0.40	
3200	0.85	58.81	3199.27	10.77	36.67	32.70	0.37	
3300	0.52	113.66	3299.26	10.97	37.72	33.66	0.70	
3400	0.55	137.36	3399.26	10.44	38.46	34.52	0.22	
3500	0.68	179.91	3499.25	9.49	38.79	35.07	0.46	
3600	0.78	173.86	3599.24	8.22	38.86	35.47	0.13	
3700	0.96	187.15	3699.23	6.71	38.83	35.82	0.27	
3800	0.94	179.85	3799.22	5.06	38.73	36.15	0.12	
3900	0.94	196.62	3899.21	3.46	38.49	36.33	0.27	
4000	0.97	193.49	3999.19	1.85	38.06	36.33	0.06	
4100	0.94	209.35	4099.18	0.31	37.46	36.14	0.27	
4200	1.02	193.44	4199.16	-1.27	36.85	35.95	0.28	
4300	1.02	205.83	4299.15	-2.94	36.26	35.81	0.22	
4400	1.28	208.46	4399.13	-4.72	35.34	35.37	0.27	
4500	1.26	227.03	4499.10	-6.45	34.00	34.52	0.41	
4600	1.91	236.60	4599.07	-8.12	31.81	32.82	0.70	
4700	2.15	248.55	4699.00	-9.72	28.67	30.20	0.49	
4800	2.83	248.80	4798.91	-11.30	24.62	26.69	0.68	
4900	3.16	257.26	4898.77	-12.80	19.63	22.25	0.55	
5000	3.23	256.26	4998.62	-14.08	14.21	17.33	0.09	
5100	3.26	255.43	5098.46	-15.46	8.72	12.38	0.06	



5200	3.38	261.29	5198.29	-16.62	3.05	7.20	0.36	
5300	3.14	261.36	5298.13	-17.48	-2.57	1.98	0.24	
5400	3.13	259.55	5397.98	-18.39	-7.96	-3.00	0.10	
5500	2.64	263.90	5497.85	-19.13	-12.94	-7.62	0.54	
5600	2.19	258.28	5597.76	-19.76	-17.10	-11.48	0.51	
5700	2.27	258.39	5697.69	-20.55	-20.91	-14.97	0.08	
5800	2.05	253.16	5797.61	-21.47	-24.56	-18.26	0.30	
5889	2.47	249.07	5886.55	-22.61	-27.88	-21.18	0.51	GYRO
Lateral: 1 Proposed Direction: 104.8 Dog Leg Severity per: 100 feet								
Measured Depth	Inclination	Azimuth	True Vertical Depth	North/South Coordinate	East/West Coordinate	Vertical Section	Dog Leg Severity	Survey Tool
5868	2.40	250.00	5865.60	-22.30	-27.00	-20.41	0.00	GYRO TIE
5920	20.00	100.80	5916.64	-24.36	-19.19	-12.33	42.49	
5930	24.40	100.50	5925.90	-25.06	-15.48	-8.56	44.01	
5940	28.40	98.70	5934.86	-25.80	-11.10	-4.14	40.79	
5950	32.00	96.60	5943.50	-26.46	-6.11	0.85	37.51	
5960	36.00	95.20	5951.79	-27.03	-0.55	6.37	40.76	
5970	40.20	94.20	5959.65	-27.54	5.60	12.45	42.45	
5980	44.30	93.80	5967.05	-28.00	12.31	19.05	41.09	
5990	48.50	93.80	5973.95	-28.48	19.53	26.16	42.00	
6000	52.80	94.50	5980.29	-29.05	27.24	33.76	43.34	
6015	59.20	96.30	5988.67	-30.22	39.61	46.02	43.81	
6038	66.70	100.80	5999.13	-33.29	59.84	66.36	36.96	MWD
6070	76.70	103.30	6009.16	-39.64	89.51	96.67	32.12	
6102	83.70	103.30	6014.61	-46.89	120.18	128.17	21.88	
6134	86.80	102.90	6017.26	-54.12	151.24	160.04	9.77	
6165	85.30	102.90	6019.39	-61.02	181.38	190.95	4.84	
6197	86.70	105.10	6021.63	-68.75	212.35	222.87	8.13	
6229	85.80	105.80	6023.72	-77.25	243.13	254.80	3.56	
6260	87.60	106.10	6025.50	-85.76	272.88	285.74	5.89	
6292	87.40	105.80	6026.90	-94.54	303.62	317.70	1.13	
6328	89.30	103.70	6027.94	-103.70	338.42	353.68	7.86	
6355	89.80	102.60	6028.15	-109.85	364.71	380.67	4.48	
6387	90.40	102.60	6028.09	-116.83	395.94	412.65	1.88	
6419	89.80	104.30	6028.04	-124.27	427.06	444.63	5.63	MWD
6450	90.80	104.30	6027.87	-131.93	457.10	475.63	3.23	
6482	88.60	103.30	6028.04	-139.56	488.17	507.63	7.55	
6514	86.10	103.70	6029.52	-147.02	519.25	539.58	7.91	
6545	85.90	104.30	6031.68	-154.50	549.26	570.50	2.04	
6577	87.50	103.30	6033.52	-162.12	580.28	602.44	5.89	
6607	88.50	102.60	6034.57	-168.84	609.50	632.41	4.07	
6639	88.20	102.20	6035.49	-175.71	640.74	664.37	1.56	
6671	87.80	101.20	6036.61	-182.19	672.06	696.30	3.36	
6703	88.30	100.50	6037.70	-188.21	703.46	728.20	2.69	
6734	89.30	100.50	6038.35	-193.86	733.94	759.11	3.23	MWD
6766	89.30	100.50	6038.74	-199.69	765.40	791.02	0.00	
6796	87.50	105.10	6039.58	-206.33	794.63	820.98	16.46	
6828	87.80	105.40	6040.89	-214.74	825.48	852.95	1.33	
6859	88.50	106.10	6041.89	-223.15	855.30	883.93	3.19	
6890	89.00	106.10	6042.57	-231.75	885.08	914.91	1.61	
6922	88.20	105.40	6043.35	-240.43	915.87	946.90	3.32	
6954	88.70	105.10	6044.21	-248.85	946.73	978.89	1.82	
6985	89.40	105.40	6044.73	-257.00	976.63	1009.88	2.46	
7017	87.10	105.40	6045.70	-265.49	1007.47	1041.86	7.19	
7049	84.60	106.10	6048.02	-274.15	1038.18	1073.77	8.11	

TEXACO**VGWU #126**

Denver Region

Estimate: 695043

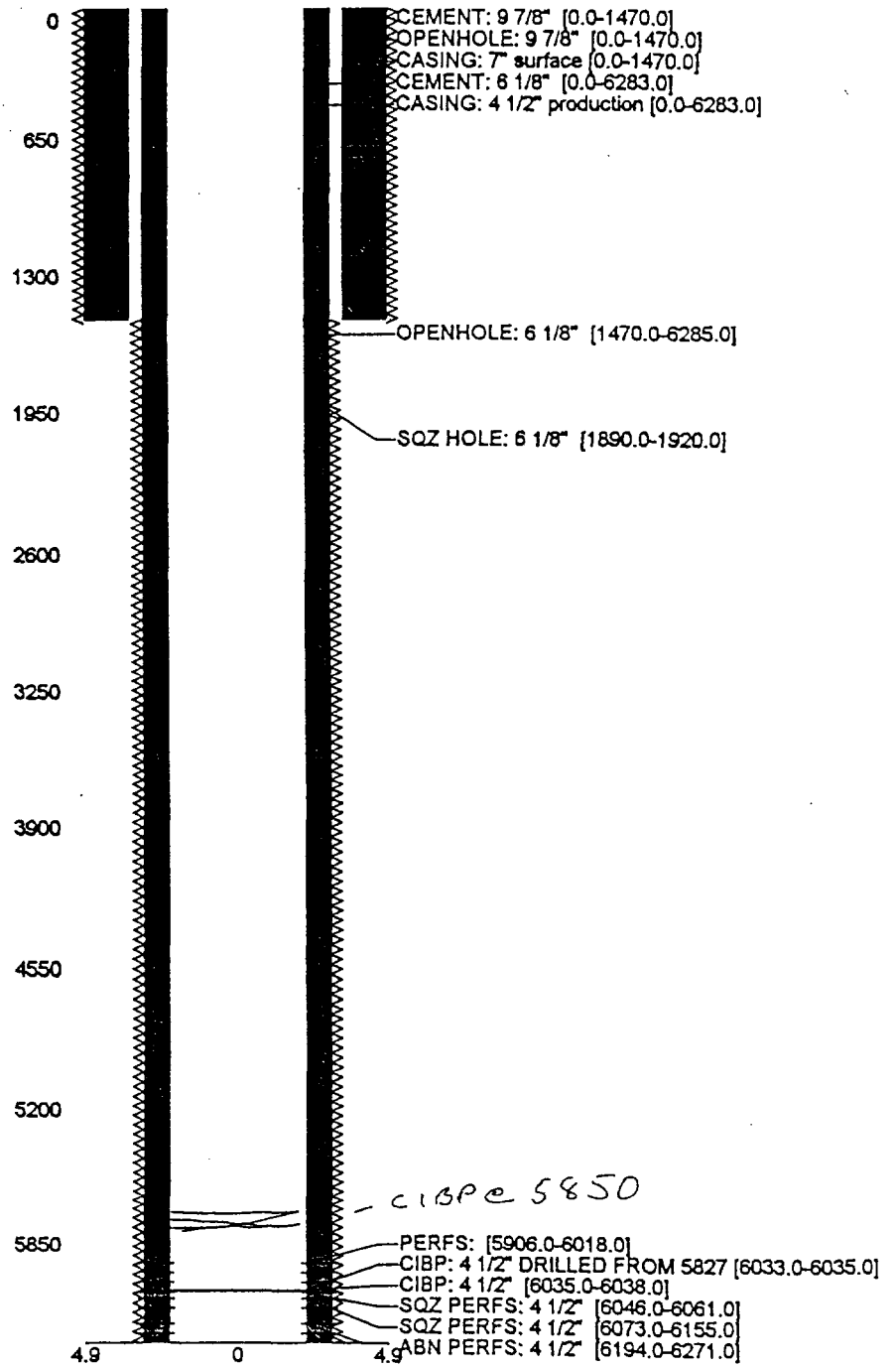
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SURVEY REPORT
Proprietary Information of Texaco Inc.

7081	84.90	105.80	6050.95	-282.91	1068.82	1105.63	1.32	
7112	87.70	103.70	6052.95	-290.78	1098.73	1136.56	11.28	
7143	87.40	102.60	6054.27	-297.83	1128.89	1167.52	3.67	MWD
7173	89.20	102.30	6055.16	-304.30	1158.17	1197.48	6.08	
7209	91.50	102.30	6054.94	-311.96	1193.34	1233.44	6.39	
Lateral: 2 Proposed Direction: 246.4 Dog Leg Severity per: 100 feet								
Measured Depth	Inclination	Azimuth	True Vertical Depth	North/South Coordinate	East/West Coordinate	Vertical Section	Dog Leg Severity	Survey Tool
5834	2.20	251.40	5831.60	-21.90	-25.80	32.41	0.00	MWD
5920	25.20	247.10	5914.59	-29.66	-44.48	52.63	26.75	
5930	28.80	243.60	5923.50	-31.56	-48.60	57.17	39.34	
5940	32.30	241.10	5932.11	-33.92	-53.10	62.24	37.23	
5950	36.20	239.40	5940.38	-36.71	-57.98	67.83	40.15	
5960	40.40	238.30	5948.22	-39.92	-63.28	73.97	42.55	
5970	44.20	238.60	5955.62	-43.44	-69.02	80.64	38.05	
5980	48.50	239.00	5962.52	-47.19	-75.21	87.81	43.10	
5990	52.10	239.00	5968.91	-51.15	-81.80	95.44	36.00	
6000	55.80	239.00	5974.79	-55.31	-88.73	103.45	37.00	
6034	67.10	238.30	5991.01	-70.84	-114.19	133.00	33.28	
6065	74.10	239.40	6001.31	-85.95	-139.20	161.97	22.83	
6096	80.20	240.40	6008.20	-101.09	-165.34	191.98	19.93	
6128	84.90	244.30	6012.35	-115.81	-193.43	223.62	19.02	
6160	88.10	247.40	6014.30	-128.87	-222.57	255.55	13.91	
6192	89.40	247.10	6015.00	-141.24	-252.07	287.54	4.17	
6224	92.20	247.80	6014.55	-153.51	-281.62	319.52	9.02	
6256	93.60	248.10	6012.93	-165.51	-311.24	351.47	4.47	
6287	91.70	247.80	6011.50	-177.13	-339.94	382.42	6.20	
6319	90.80	248.10	6010.80	-189.14	-369.59	414.40	2.96	
6351	90.90	248.80	6010.33	-200.89	-399.35	446.38	2.21	
6382	88.80	249.60	6010.41	-211.90	-428.33	477.34	7.25	
6414	89.90	250.60	6010.77	-222.79	-458.42	509.27	4.65	
6445	91.90	249.60	6010.28	-233.34	-487.56	540.20	7.21	
6477	92.40	249.60	6009.08	-244.49	-517.53	572.13	1.56	
6509	92.80	250.30	6007.63	-255.45	-547.56	604.03	2.52	
6541	93.00	250.90	6006.01	-266.06	-577.71	635.91	1.97	
6572	92.10	250.30	6004.63	-276.35	-606.92	666.79	3.49	
6603	92.10	250.30	6003.50	-286.79	-636.08	697.70	0.00	
6635	92.90	250.30	6002.10	-297.57	-666.18	729.60	2.50	
6666	92.10	249.20	6000.75	-308.29	-695.24	760.51	4.38	
6698	91.10	248.10	5999.86	-319.94	-725.03	792.47	4.64	
6730	91.40	247.10	5999.16	-332.13	-754.61	824.46	3.26	
6761	90.90	247.40	5998.54	-344.11	-783.19	855.45	1.88	
6792	89.30	247.80	5998.48	-355.92	-811.85	886.44	5.32	
6823	88.70	247.80	5999.02	-367.64	-840.55	917.43	1.94	
6855	88.00	248.10	5999.94	-379.64	-870.19	949.40	2.38	
6877	87.40	248.40	6000.83	-387.79	-890.61	971.37	3.05	
6916	87.40	248.40	6002.60	-402.13	-926.83	1010.31	0.00	MWD

VGLWU #127

Name: 127 ID: 3002521292 Type: Oil Date: 1/19/00



OIL CONSERVATION DIVISION

DISTRICT I
Box 1980, Hobbs, NM 88240
DISTRICT II
P.O. Box Drawer DD, Artesia, NM 88210
DISTRICT III
1000 Rio Brazos Rd., Aztec, NM 87410

P.O. Box 2088
Santa Fe, New Mexico 87504-2088

WELL API NO.	30-025-21292
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	B-1113
7. Lease Name or Unit Agreement Name	VACUUM GLORIETA WEST UNIT
8. Well No.	127
9. Pool Name or Wildcat	VACUUM GLORIETA
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	3976' GL

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 PERMIT (FORM C-101) FOR SUCH PROPOSALS.

1. Type of Well:	OIL WELL ☒ GAS WELL ☐ OTHER ☐
2. Name of Operator	TEXACO EXPLORATION & PRODUCTION INC.
3. Address of Operator	205 E. Bender, HOBBS, NM 88240
4. Well Location	BHL: G, 6, 18S, 35E, 1576' N, 2885' W
Unit Letter F : 1650 Feet From The NORTH Line and 1650 Feet From The WEST Line	
Section 6 Township 18S Range 35E NMPM LEA COUNTY	
10. Elevation (Show whether DF, RKB, RT, GR, etc.) 3976' GL	

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

NOTICE OF INTENTION TO:		SUBSEQUENT REPORT OF:	
PERFORM REMEDIAL WORK ☐	PLUG AND ABANDON ☐	REMEDIAL WORK ☒	ALTERING CASING ☐
TEMPORARILY ABANDON ☐	CHANGE PLANS ☐	COMMENCE DRILLING OPERATION ☐	PLUG AND ABANDONMENT ☐
PULL OR ALTER CASING ☐		CASING TEST AND CEMENT JOB ☐	
OTHER: ☐		OTHER: ☐	SPUD HORIZONTAL ☒

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.

9-08-00: MIRU. TAKE OFF COLLAR, INSTL SCREW ON FLANGE. NUBOP. PU TBG W/BIT & TAG CIBP @ 5814'.
 9-09-00: TIH W/SANDLINE DRILL & TAG CIBP @ 5870'. UNABLE TO KNOCK CIBP OUT.
 9-10-00: HIT CIBP. TOH & RECVR RUBBER & METAL. PU BIT, DC'S & TIH ON 2 3/8" TBG. TAG CIBP. TIH W/CMT RET & SET @ 5888'.
 9-11-00: MIX & PUMP 150 SX CL H, FOLLOWED BY 100 SX CL H NEAT. SQZ PERFS W/42 BBLs CMT. REV 10 BBLs CMT TO TRUCK. TOH W/TBG.
 9-15-00: MIRU KEY RIG #118. TIH W/188 JTS DP & MILLS. TAG CIBP @ 5887'. TIH W/WHIPSTOCK TO 5875'. TIH W/SDI GYRO FOR SURVEY. SET WHIPSTOCK W/85 DEG ORIENTATION ON BTM.
 9-16-00: SET WHIP @ 85 DEG AZIMUTH. MILL FR 5878-79, 5881. DRILL FR 5885, 91, 5916, 6007-40, 6134, 65, 97, 6228, 48, 60, 67, 91, 94, 6353, 66, 6447, 57, 6500, 11, 60, 6638, 44, 6791, 96, 6916, 7134.
 9-20-00: TIH W/BOX TAP, BMRP SUB, JARS & DC'S. LATCH ONTO WHIP & JAR LOOSE. TIH W/RBP. SET @ 5783'. NDBOP. NO FLOWLINE. INSTL RENTAL BOP. RIG DOWN & RELEASE @ 2000 HRS ON 9/19/00.
 9-22-00: UNLOAD TBG & HYDRIL. TALLY ALL PIPE. TIH W/2 3/8" TBG. TIH TO 5700'. RBP @ 5783'.
 9-23-00: TOH & LD RBP. TIH W/SUBS & TBG. PKR SET @ 5775.67. TEST TO 1000 PSI-OK.
 9-28-00: STIMULATE GLORIETA: 40,000 GALS WF 130 @ 15 BPM. FLSH W/3000 GALS WF 130. FLOW BACK AFTER STIMULATION.
 9-29-00: MIRU WORKOVER RIG. KILL W/40 BBLs 10# BW. OPEN BYPASS. UNSET PKR. NDTREE. TIH W/KILL STRING TO 1900'.
 9-30-00: TIH W/2 3/8" TBG, CHECK VALVE, PUMP, NDBOP. INSTL FLOW TREE & CONNECT TO FLOWLINE. TEST PUMP-OK. RIG DOWN & REL.
 10-01/10-02-00: PUMPING AND TESTING
 10-03-00: ON 24 HR OPT. PUMPED 464 BO, 89 BW, 248 MCF.

TOP OF WINDOW: 5878, BOTTOM OF WINDOW: 5882'

FINAL REPORT

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

SIGNATURE J. Denise Leake TITLE Engineering Assistant DATE 11/17/00

TYPE OR PRINT NAME J. Denise Leake Telephone No. 397-0405

(This space for State Use)

APPROVED

CONDITIONS OF APPROVAL, IF ANY: _____ TITLE _____ DATE _____

OIL CONSERVATION DIVISION

P.O. Box 1980, Hobbs, NM 88240

P.O. Box 2088

DISTRICT II

Santa Fe, New Mexico 87504-2088

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

DISTRICT III

1000 Rio Brazos Rd., Aztec, NM 87410

WELL API NO.	30-025-21292
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease	B-1113
7. Lease Name or Unit Agreement Name	VACUUM GLORIETA WEST UNIT
8. Well No.	127
9. Pool Name or Wildcat	VACUUM GLORIETA

WELL COMPLETION OR RECOMPLETION REPORT AND LOG			
1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐			
b. Type of Completion: NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RES. ☐ OTHER HORIZONTAL ☐			
2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.			
3. Address of Operator 205 E. Bender, HOBBS, NM 88240			
4. Well Location BHL: 1596' N, 2885' W Unit Letter F : 1650 Feet From The NORTH Line and 1650 Feet From The WEST Line Section 6 Township 18S Range 35E NMPM LEA COUNTY			
10. Date Spudded 9/8/00	11. Date T.D. Reached 9/19/00	12. Date Compl. (Ready to Prod.) 9/28/00	13. Elevations (DF & RKB, RT, GR, etc.) 3976' GL
14. Elev. Csghead			
15. Total Depth 7134'	16. Plug Back T.D.	17. If Mult. Compl. How Many Zones?	18. Intervals Drilled By Rotary Tools Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name 5878-5882' VACUUM GLORIETA			20. Was Directional Survey Made YES
21. Type Electric and Other Logs Run NONE			22. Was Well Cored NO

23. CASING RECORD (Report all Strings set in well)					
CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENT RECORD	AMOUNT PULLED
			NO CHANGE		

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2 3/8"	5768'

26. Perforation record (interval, size, and number) 5878-5882'	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 5878-5882' AMOUNT AND KIND MATERIAL USED 20000 gals hcl acid & 23000 gals wf 130
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28. PRODUCTION							
Date First Production 10/1/00	Production Method (Flowing, gas lift, pumping - size and type pump) PUMPING 15.48 FT X 3.00" OD					Well Status (Prod. or Shut-in) PROD	
Date of Test 10-03-00	Hours tested 24 HRS	Choke Size	Prod'n For Test Period	Oil - Bbl. 464	Gas - MCF 248	Water - Bbl. 89	Gas - Oil Ratio
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API -(Corr.)	

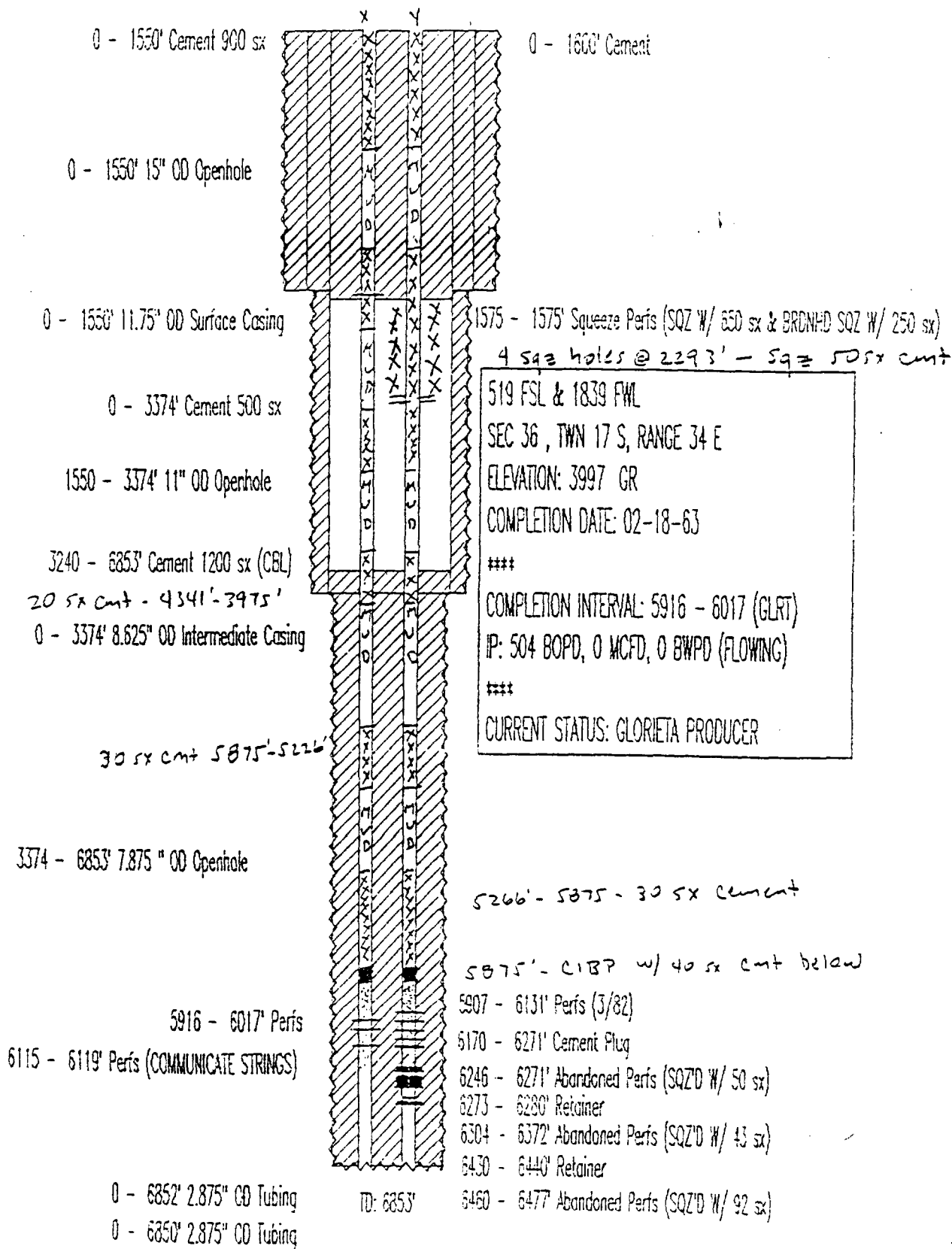
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD	Test Witnessed By
--	-------------------

30. List Attachments SURVEY

31. I hereby certify that the information on both sides of this form is true and complete to the best of my knowledge and belief.			
SIGNATURE J. Denise Leake	TITLE Engineering Assistant	DATE 11/17/00	Telephone No. 397-0405
TYPE OR PRINT NAME J. Denise Leake			

TEXACO
 NM O STATE NCT-1 NO. 13
 API# 30025200460000
 P + A 5/29/98

Vacuum Glorieta West Unit
 No. 130



Submit to Appropriate
District Office
State Lease - 6 copies
Fee Lease - 5 copies

State of New Mexico
Energy, Minerals and Natural Resources Department

Form C-105
Revised 1-1-89

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.	30-025-32338
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lea	548570

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER _____	7. Lease Name or Unit Agreement Name NEW MEXICO O STATE NCT-1			
b. Type of Completion: NEW WELL ☐ WORKOVER ☒ DEEPEN ☐ PLUG BACK ☐ DIFF RES. ☐ OTHER DHC-1315	8. Well No. 35			
2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.	9. Pool Name or Wildcat DHC - 1315 VACUUM BLINEBRY/VACUUM DRINKARD			
3. Address of Operator 205 E. Bender, HOBBS, NM 88240				
4. Well Location Unit Letter O : 355 Feet From The SOUTH Line and 1875 Feet From The EAST Line Section 36 Township 17S Range 34E NMPM LEA COUNTY				
10. Date Spudded 2/28/94	11. Date T.D. Reached 3/13/94	12. Date Compl. (Ready to Prod.) 10/1/96	13. Elevations (DF & RKB, RT, GR, etc.) 3991' GL, KB-4005'	14. Elev. Csghead 3991'
15. Total Depth 8100'	16. Plug Back T.D. 7980'	17. If Mult. Compl. How Many Zones?	18. Intervals Drilled By 0-8100'	Rotary Tools Cable Tools
19. Producing Interval(s), of this completion - Top, Bottom, Name 6404'-7124' VAC BLINEBRY; 7486'-7751' VAC DRINKARD				20. Was Directional Survey Made YES
21. Type Electric and Other Logs Run GR-DLL-MSFL, GR-SONIC, GR-SDL-DSN-CSNG, GR-CCL				22. Was Well Cored NO

23. CASING RECORD (Report all Strings set in well)

CASING SIZE	WEIGHT LB./FT.	DEPTH SET	HOLE SIZE	CEMENT RECORD	AMOUNT PULLED
8 5/8"	24#	1460'	11"	650 SX, CIR 148 SX	
5 1/2"	15.5 & 17#	8100'	7 7/8"	2025 SX, CIR 289 SX	

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2 7/8"	7791'

26. Perforation record (interval, size, and number) 6404'-7124' (VACUUM BLINEBRY) 7486'-7751' (VACUUM DRINKARD)	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 6404'-7124' 6404'-7124' AMOUNT AND KIND MATERIAL USED ACID: 4000 GALS 15% HCL FRAC: 24000 G 50 QUAL CO2 FOAM HCL & 42200 G 50 QUAL CO2 FOAM WF-140
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28. PRODUCTION							
Date First Production 10/1/96	Production Method (Flowing, gas lift, pumping - size and type pump) PUMPING 2 1/2" X 1 3/4" X 24'					Well Status (Prod. or Shut-in) PROD.	
Date of Test 10/15/96	Hours tested 24 HOURS	Choke Size OPEN	Prod'n For Test Period	Oil - Bbl. 1	Gas - MCF 11	Water - Bbl. 282	Gas - Oil Ratio 11,000
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API -(Corr.) 39.4	
29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD						Test Witnessed By MINCHEW	

30. List Attachment	
1. I hereby certify that the information on both sides of this form is true and complete to the best of my knowledge and belief.	
SIGNATURE <i>Monte C. Duncan</i>	TITLE Engr Asst
DATE 12/2/96	Telephone No. 397-0418
TYPE OR PRINT NAME Monte C. Duncan	

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.	30-025-32338
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease No.	
7. Lease Name or Unit Agreement Name	VACUUM GLORIETA WEST UNIT
8. Well No.	133
9. Pool Name or Wildcat	VACUUM GLORIETA
10. Elevation (Show whether DF, RKB, RT, GR, etc.)	

SUNDRY NOTICES AND REPORTS ON WELL
(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: TEXACO EXPLORATION & PRODUCTION INC.

3. Address of Operator: 205 E. Bender, HOBBS, NM 88240

4. Well Location
Unit Letter O : 355 Feet From The SOUTH Line and 1875 Feet From The EAST Line
Section 36 Township 17S Range 34E NMPM LEA COUNTY

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: Recomplete to Vacuum Glorieta ☒

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.

1-28-99: MIRU. NDWH. NUBOP. TIH W/BIT & CSG SCRAPER. PU TBG & RAN BIT TO 7411'.
1-29-99: TIH W/CIBP & SET @ 7350'. TIH W/BAILER & CAP W/35' CMT. TIH W/LOG TOOLS. RAN GR/CCL FR 6500-5000'.
2-01-99: TIH W/2ND CIBP & SET @ 6350'. TIH W/TBG OPEN ENDED TO 6308'. MIRU PUMP TRUCK. CIRC W/140 BBLs 2% KCL WATER. TEST CIBP & CSG TO 500 PSI. CHART FOR 30 MIN FOR NMOC-D-OK. RIG DOWN PUMP TRUCK. TIH W/PERF GUN & PERF CSG IN GLORIETA W/2 JSPF @ 120 DEG PHASING FR 6020-28, 6034-40, 6042-50, 5990-6020, 5951-82' - IN 3 RUNS.
2-02-99: TIH W/PERF GUN & PERF 5920-51' W/2 JSPF @ 120 DEG PHASING. TOTAL INTERVAL 5920-6050'. TIH W/BAILER & CAP CIBP @ 6350' W/35' CMT. NEW PBTD @ 6315'. TIH W/PKR, SN, & TBG TO 5852'. SET PKR. RIG UP PUMP TRUCK & PSI CSG TO 700 PSI-OK.
2-03-99: ACIDIZE GLORIETA PERFS 5920-6050' W/5880 GALS 15% NEFE HCL ACID. RIG UP SWAB. FL @ 500' FR SURF. END FL @ 3000'.
2-04-99: SWAB. FL @ 2500'. END FL @ 3000'. REL PKR. TIH W/OPMA, PERF SUB, SN, TBG, TAC. SET @ 14' KB. OPMA @ 6212'. S @ 6176'. TAC @ 5854'. NDBOP. SET TAC. NUWH.
2-05-99: TIH W/GAS ANCHOR, PUMP, K-BARS, RODS. SPACE WELL OUT. LOAD & TEST TO 500 PSI-OK. RIG DOWN.
3-07-99: ON 24 HR OPT. PUMPED 148 BO, 395, BW, & 26 MCF. GOR-175. API GRAV-38.6@60.
PERFS: 5920-6050' VACUUM GLORIETA
FINAL REPORT

{FORMERLY CALLED THE NEW MEXICO O STATE NCT-1 #35} C-104 FILED REQUESTING NAME CHANGE

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

SIGNATURE J. Denise Leake TITLE Engineering Assistant DATE 3/15/99
TYPE OR PRINT NAME J. Denise Leake Telephone No. 397-0405

(This space for State Use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY: _____