

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.	3002524112
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lease	857947

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER <u>DIRECTIONAL DRILL</u>				7. Lease Name or Unit Agreement Name NORTH VACUUM ABO WEST UNIT	
b. Type of Completion: NEW WELL ☐ WORKOVER ☐ DEEPEN ☐ PLUG BACK ☐ DIFF RES. ☐ OTHER				8. Well No. 5	
2. Name of Operator TEXACO EXPLORATION & PRODUCTION INC.				9. Pool Name or Wildcat VACUUM ABO, NORTH	
3. Address of Operator 205 E. Bender, HOBBS, NM 88240					
4. Well Location Unit Letter <u>D</u> 660 Feet From The <u>NORTH</u> Line and 660 Feet From The <u>WEST</u> Line Section <u>22</u> Township <u>17S</u> Range <u>34E</u> NMPM <u>2055</u> LEA COUNTY					
10. Date Spudded 4/4/98	11. Date T.D. Reached 4/24/98	12. Date Compl. (Ready to Prod.) 5/9/98	13. Elevations (DF & RKB, RT, GR, etc.) 4048 GR	14. Elev. Csghead	
15. Total Depth 10,430'	16. Plug Back T.D. 10,430'	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 8680'-10430' VACUUM ABO <u>8669' - 8616 window</u>				20. Was Directional Survey Made YES	
21. Type Electric and Other Logs Run CCL/GR				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 7/8"	8629'	
26. Perforation record (interval, size, and number) 8680'-10430' (HORIZONTAL LATERAL)				27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL AMOUNT AND KIND MATERIAL USED 8680-10430' 100,000 GALS 15% NEFE 110,000 GALS WF130			

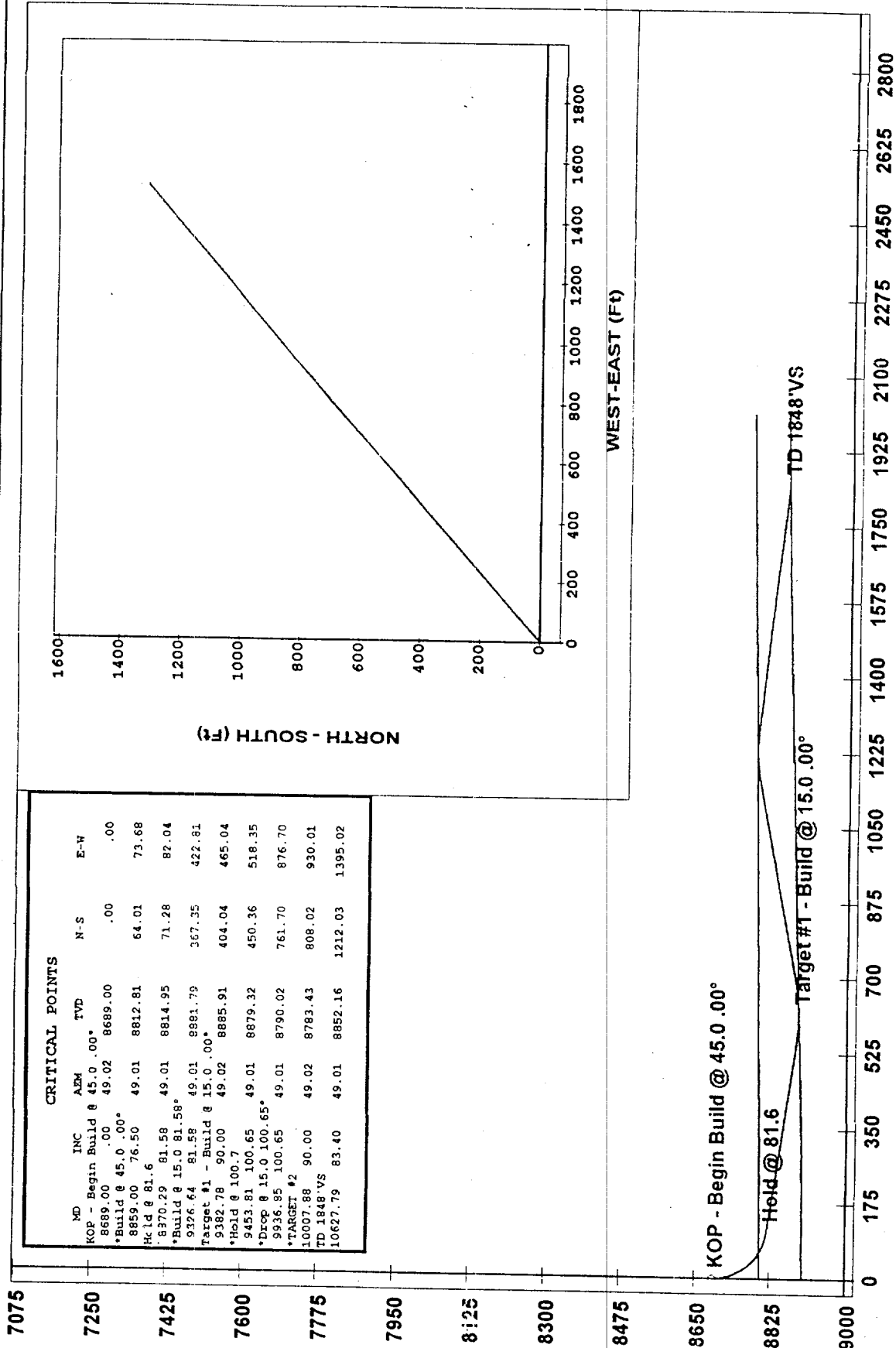
28. PRODUCTION							
Date First Production 5/9/98		Production Method (Flowing, gas lift, pumping - size and type pump) PUMPING (N/A)				Well Status (Prod. or Shut-in) PROD	
Date of Test 7-03-98	Hours tested 24 HRS	Choke Size	Prod'n For Test Period	Oil - Bbl. 64	Gas - MCF 25	Water - Bbl. 209	Gas - Oil Ratio 390
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 <u>J. Denise Leake</u>	TITLE <u>Engineering Assistant</u>
DATE <u>7/28/98</u>	Telephone No. <u>397-0405</u>
TYPE OR PRINT NAME <u>J. Denise Leake</u>	

Company: Texaco E & P
 Lease/Well: NVAWU #5
 Location: Lea County, New Mexico
 State/Country:
 Declination:
 Grid:

File name: C:\TEXACO~1\NVAWU\NVAWU_5\NVAWU05.SVY
 Date/Time: 13-Jan-98 / 13:53



-- NVAWU#5 - NORTHEAST(REV.0)

VERTICAL SECTION (Ft) @ 49.02°



Job Number:

Company: Texaco E & P
 Lease/Well: NVAWU #5
 Location: Lea County, New Mexico
 Rig Name: Yale E. Key #119
 RKB: 4067
 G.L. or M.S.L.: 4048

State/Country:

Declination:

Grid:

File name: C:\ITEXACO\11NVAWU\NVAWU_61NVAWU06.SVY

Date/Time: 13-Jan-98 / 13:53

Curve Name: NVAWU#5 - NORTHEAST(REV.0)

PHOENIX DRILLING SERVICES, INC.

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 49.02

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	Course Length FT	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	BUILD RATE Deg/100	WALK RATE Deg/100	Dogleg Severity Deg/100
8689.00	.00	49.02		8689.00	.00	.00	.00	.00	.00	.00	.00	.00
8699.00	4.50	49.01	10.00	8698.99	.26	.30	.39	.39	49.01	45.00	.00	45.00
8709.00	9.00	49.01	10.00	8708.92	1.03	1.18	1.57	1.57	49.01	45.00	.00	45.00
8719.00	13.50	49.01	10.00	8718.72	2.31	2.66	3.52	3.52	49.01	45.00	.00	45.00
8729.00	18.00	49.01	10.00	8728.35	4.09	4.70	6.23	6.23	49.01	45.00	.00	45.00
8739.00	22.50	49.01	10.00	8737.72	6.36	7.32	9.69	9.69	49.01	45.00	.00	45.00
8749.00	27.00	49.01	10.00	8746.80	9.10	10.48	13.88	13.88	49.01	45.00	.00	45.00
8759.00	31.50	49.01	10.00	8755.53	12.31	14.16	18.76	18.76	49.01	45.00	.00	45.00
8769.00	36.00	49.01	10.00	8763.84	15.95	18.36	24.32	24.32	49.01	45.00	.00	45.00
8779.00	40.50	49.01	10.00	8771.69	20.01	23.03	30.51	30.51	49.01	45.00	.00	45.00
8789.00	45.00	49.01	10.00	8779.03	24.46	28.15	37.29	37.29	49.01	45.00	.00	45.00

KOP - Begin Build @ 45.0 .00°

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	Course Length FT	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	BUILD RATE Deg/100	WALK RATE Deg/100	Dogleg Severity Deg/100
8799.00	49.50	49.01	10.00	8785.82	29.27	33.69	44.63	44.63	49.01	45.00	.00	45.00
8809.00	54.00	49.01	10.00	8792.01	34.42	39.62	52.48	52.48	49.01	45.00	.00	45.00
8819.00	58.50	49.01	10.00	8797.56	39.87	45.89	60.80	60.80	49.01	45.00	.00	45.00
8829.00	63.00	49.01	10.00	8802.45	45.60	52.48	69.52	69.52	49.01	45.00	.00	45.00
8839.00	67.50	49.01	10.00	8806.63	51.55	59.33	78.60	78.60	49.01	45.00	.00	45.00
8849.00	72.00	49.01	10.00	8810.09	57.70	66.41	87.98	87.98	49.01	45.00	.00	45.00
Build @ 45.0 .00°												
8859.00	76.50	49.01	10.00	8812.81	64.01	73.68	97.60	97.60	49.01	45.00	.00	45.00
Hold @ 81.6												
8870.29	81.58	49.01	11.28	8814.95	71.28	82.04	108.68	108.68	49.01	45.00	.00	45.00
8970.76	81.58	49.01	100.47	8829.67	136.46	157.06	208.07	208.07	49.01	.00	.00	.00
9070.76	81.58	49.01	100.00	8844.31	201.34	231.74	306.99	306.99	49.01	.00	.00	.00
9170.76	81.58	49.01	100.00	8858.96	266.22	306.41	405.91	405.91	49.01	.00	.00	.00
9270.76	81.58	49.01	100.00	8873.60	331.10	381.09	504.83	504.83	49.01	.00	.00	.00
Build @ 15.0 81.58°												
9326.64	81.58	49.01	55.88	8881.79	367.35	422.81	560.11	560.11	49.01	.00	.00	.00
9326.64	81.58	49.01	.00	8881.79	367.35	422.81	560.11	560.11	49.01	15.00	.00	15.00
9352.78	85.50	49.01	26.14	8884.73	384.39	442.42	586.08	586.08	49.01	15.00	.00	15.00
Target #1 - Build @ 15.0 .00°												
9382.78	90.00	49.02	30.00	8885.91	404.04	465.04	616.05	616.05	49.01	15.00	.00	15.00
9412.78	94.50	49.01	30.00	8884.73	423.70	487.67	646.02	646.02	49.01	15.00	.00	15.00
9442.78	99.00	49.01	30.00	8881.20	443.23	510.15	675.80	675.80	49.01	15.00	.00	15.00
Hold @ 100.7												
9453.81	100.65	49.01	11.03	8879.32	450.36	518.35	686.67	686.67	49.01	15.00	.00	15.00
9553.81	100.65	49.01	100.00	8860.83	514.82	592.54	784.95	784.95	49.01	.00	.00	.00
9653.81	100.65	49.01	100.00	8842.34	579.27	666.73	883.22	883.22	49.01	.00	.00	.00
9753.81	100.65	49.01	100.00	8823.86	643.73	740.91	981.50	981.50	49.01	.00	.00	.00
9853.81	100.65	49.01	100.00	8805.37	708.18	815.10	1079.77	1079.77	49.01	.00	.00	.00

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	Course Length FT	True Vertical Depth	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	BUILD RATE Deg/100	WALK RATE Deg/100	Dogleg Severity Deg/100
Drop @ 15.0 100.65°												
9936.85	100.65	49.01	83.04	8790.02	761.70	876.70	1161.38	1161.38	49.01	.00	.00	.00
9936.97	100.64	49.01	.12	8789.99	761.78	876.80	1161.50	1161.50	49.01	-15.00	.00	15.00
9947.88	99.00	49.01	10.91	8788.13	768.83	884.91	1172.25	1172.25	49.01	-15.00	.00	15.00
9977.88	94.50	49.01	30.00	8784.61	788.37	907.39	1202.03	1202.03	49.01	-15.00	.00	15.00
TARGET #2												
10007.88	90.00	49.02	30.00	8783.43	808.02	930.01	1232.00	1232.00	49.01	-15.00	.00	15.00
10037.88	85.50	49.01	30.00	8784.61	827.68	952.64	1261.97	1261.97	49.01	-15.00	.00	15.00
10051.88	83.40	49.01	14.00	8785.96	836.82	963.16	1275.91	1275.91	49.01	-15.00	.00	15.00
10151.88	83.40	49.01	100.00	8797.46	901.97	1038.15	1375.24	1375.24	49.01	.00	.00	.00
10251.88	83.40	49.01	100.00	8808.95	967.12	1113.13	1474.58	1474.58	49.01	.00	.00	.00
10351.88	83.40	49.01	100.00	8820.45	1032.27	1188.12	1573.92	1573.92	49.01	.00	.00	.00
10451.88	83.40	49.01	100.00	8831.94	1097.42	1263.11	1673.26	1673.26	49.01	.00	.00	.00
10551.88	83.40	49.01	100.00	8843.44	1162.58	1338.10	1772.59	1772.59	49.01	.00	.00	.00
TD 1848'VS												
10627.79	83.40	49.01	75.91	8852.16	1212.03	1395.02	1848.00	1848.00	49.01	.00	.00	.00