

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.	30-025-33637
5. Indicate Type of Lease	STATE ☒ FEE ☐
6. State Oil / Gas Lea	B-8097

WELL COMPLETION OR RECOMPLETION REPORT AND LOG

1a. Type of Well: OIL WELL ☒ GAS WELL ☐ DRY ☐ OTHER ☐		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. 26	
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 SUR/BHL Unit Letter <u>C/E: 560/1817</u> Feet From The <u>NORTH</u> Line and <u>2080 / 812</u> Feet From The <u>WEST</u> Line Section <u>27</u> Township <u>17-S</u> Range <u>34-E</u> NMPM <u>LEA</u> COUNTY			
10. Date Spudded 11/4/96	11. Date T.D. Reached 12/27/96	12. Date Compl. (Ready to Prod.) 1/25/97	13. Elevations (DF & RKB, RT, GR, etc.) 4042' GR
14. Elev. Csghead 4042'			
15. Total Depth 8890'	16. Plug Back T.D. 8890'	17. If Mult. Compl. How Many Zones? -	18. Intervals Drilled By Rotary Tools O-10698'
19. Producing Interval(s), of this completion - Top, Bottom, Name 8598'-10698' OPEN HOLE COMPLETION (VACUUM ABO NORTH)			20. Was Directional Survey Made YES
21. Type Electric and Other Logs Run GR/TDT, MCFL/NGT, BCS/NGT, CNL/NGT			22. Was Well Cored YES

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#	1630'	11	650 SX, CIRC 150	
5 1/2"	17#	8598'	7 7/8"	1400 SX, CIRC 0	

24. LINER RECORD				25. TUBING RECORD		
SIZE	TOP	BOTTOM	SACKS CEMENT	SCREEN	SIZE	DEPTH SET
					2 7/8"	8543'

26. Perforation record (interval, size, and number) OPEN HOLE COMPLETION	27. ACID, SHOT, FRACTURE, CEMENT, SQUEEZE, ETC. DEPTH INTERVAL 8598'-10,698' AMOUNT AND KIND MATERIAL USED FRAC-120000 GALS 20% HCL & 120000 OPEN HOLE GALS WF-130
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28. PRODUCTION							
Date First Production 1/25/97		Production Method (Flowing, gas lift, pumping - size and type pump) PUMPING 2 1/2" X 1 1/2" X 24'				Well Status (Prod. or Shut-in) PROD.	
Date of Test 2/5/97	Hours tested 24	Choke Size	Prod'n For Test Period	Oil - Bbl. 223	Gas - MCF 216	Water - Bbl. 40	Gas - Oil Ratio 969
Flow Tubing Press.	Casing Pressure	Calculated 24-Hour Rate	Oil - Bbl.	Gas - MCF	Water - Bbl.	Oil Gravity - API -(Corr.) 37.0	

29. Disposition of Gas (Sold, used for fuel, vented, etc.) SOLD	Test Witnessed By JIM RAY
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30. List Attachment DEVIATION 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 <u>Monte C. Duncan</u>	TITLE <u>Engr Asst</u>	DATE <u>3/5/97</u>
TYPE OR PRINT NAME <u>Monte C. Duncan</u>		Telephone No. <u>397-0418</u>

INSTRUCTIONS

This form is to be filed with the appropriate District Office of the Division not later than 20 days after the completion of any newly-drilled or deepened well. It shall be accompanied by one copy of all electrical and radio-activity logs run on the well and a summary of all special tests conducted, including drill stem tests. All depths reported shall be measured depths. In the case of directionally drilled wells, true verticle depths shall be reported. For multiple completions, Items 25 through 29 shall be reported for each zone. The form is to be filed in quintuplicate except on state land, where six copies are required. See Rule 1105.

INDICATE FORMATION TOPS IN CONFORMANCE WITH GEOGRAPHICAL SECTION OF STATE

Southeastern New Mexico

T. Anhy	1583'	T. Canyon
T. Salt	1694'	T. Strawn
B. Salt	2699'	T. Atoka
T. Yates	2871'	T. Miss
T. 7 Rivers	3197'	T. Devonian
T. Queen	3818'	T. Silurian
T. Grayburg	4183'	T. Montoya
T. San Andres	4477'	T. Simpson
T. Glorieta	6112'	T. McKee
T. Paddock	6235'	T. Ellenburger
T. Blinebry	6559'	T. Gr. Wash
T. Tubb	7493'	T. Delaware Sand
T. Drinkard	7688'	T. Bone Springs
T. Abo	8174'	T.
T. Wolfcamp		T.
T. Penn		T.
T. Cisco (Bough C)		T.

Northwestern New Mexico

T. Ojo Alamo	T. Penn "B"
T. Kirtland-Fruitland	T. Penn "C"
T. Pictured Cliffs	T. Penn "D"
T. Cliff House	T. Leadville
T. Menefee	T. Madison
T. Point Lookout	T. Elbert
T. Mancos	T. McCracken
T. Gallup	T. Ignacio Otzte
T. Base Greenhorn	T. Granite
T. Dakota	T.
T. Morrison	T.
T. Todilto	T.
T. Entrada	T.
T. Wingate	T.
T. Chinle	T.
T. Permian	T.
T. Penn "A"	T.

OIL OR GAS SANDS OR ZONES

No. 1, from 8659' to 8803'

No. 2, from to

No. 3, from to

No. 4, from to

IMPORTANT WATER SANDS

Include data on rate of water inflow and elevation to which water rose in the hole.

No. 1, from to feet

No. 2, from to feet

No. 3, from to feet

LITHOLOGY RECORD (Attach additional sheet if necessary)

From	To	Thickness in Feet	Lithology	From	To	Thickness in Feet	Lithology
0	1583'	1583'	SS, SHALE				
1583'	1694'	111'	ANHYDRITE				
1694'	2699'	1005'	SALT				
2699'	2871'	172'	DOLOMITE, ANHYDRITE				
2871'	4477'	1606'	DOL, ANHY, SS				
4477'	8174'	3697'	DOL, SS, LS				
8174'	8890'	716'	DOL, LS, SHALE				

Job Number:
 Company: TEXACO E & P, INC.
 Lease/Well: NORTH VACUUM ABO WEST UNIT #26 H
 Location: LEA COUNTY, NEW MEXICO
 Rig Name:

State/Country:
 Declination:
 Grid:
 File name: C:\SURVEY\NAVU#26.SVY
 Date/Time: Tuesday, September 10, 1996

3D-025-33637
 SUR 560/10 + 2080/10 27.175.34e Unit C
 BHL 1837/10 + 812/10 27.175.34e Unit E

PHOENIX DRILLING SERVICES, INC.

WINSERVE SURVEY CALCULATIONS
 Minimum Curvature Method
 Vertical Section Plane 224.79

Measured Depth FT	Incl Angle Deg	Drift Deg	True Vertical Depth	Subsea TVD FT	N-S FT	E-W FT	Vertical Section FT	Distance FT	CLOSURE Direction Deg	Dogleg Severity Deg/100
KOP										
8618.00	.00	224.79	8618.00	4560.00	.00	.00	.00	.00	.00	.00
8628.00	5.73	224.79	8627.98	4569.98	-.35	-.35	.50	.50	224.79	57.30
8638.00	11.46	224.79	8637.87	4579.87	-1.41	-1.40	1.99	1.99	224.79	57.30
8648.00	17.19	224.79	8647.55	4589.55	-3.17	-3.15	4.47	4.47	224.79	57.30
8658.00	22.92	224.79	8656.94	4598.94	-5.60	-5.56	7.89	7.89	224.79	57.30
8668.00	28.65	224.79	8665.94	4607.94	-8.69	-8.63	12.24	12.24	224.79	57.30
8678.00	34.38	224.79	8674.46	4616.46	-12.40	-12.31	17.47	17.47	224.79	57.30
8688.00	40.11	224.79	8682.42	4624.42	-16.69	-16.57	23.52	23.52	224.79	57.30
57.3 DEG/100'										
8698.00	45.84	224.79	8689.73	4631.73	-21.52	-21.37	30.33	30.33	224.79	57.30
8708.00	51.57	224.79	8696.33	4638.33	-26.85	-26.66	37.84	37.84	224.79	57.30
8718.00	57.30	224.79	8702.14	4644.14	-32.62	-32.39	45.97	45.97	224.79	57.30
8728.00	63.03	224.79	8707.12	4649.12	-38.78	-38.50	54.64	54.64	224.79	57.30
8738.00	68.76	224.79	8711.20	4653.20	-45.25	-44.93	63.77	63.77	224.79	57.30

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Subsea TVD FT	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
8748.00	74.49	224.79	8714.35	4656.35	-51.99	-51.61	73.25	73.25	224.79	57.30
8758.00	80.22	224.79	8716.54	4658.54	-58.91	-58.48	83.01	83.01	224.79	57.30
EOB										
8761.00	81.94	224.79	8717.00	4659.00	-61.01	-60.57	85.97	85.97	224.79	57.30
8763.51	82.32	224.79	8717.35	4659.35	-62.77	-62.32	88.46	88.46	224.79	15.00
8764.13	82.22	224.79	8717.43	4659.43	-63.21	-62.75	89.07	89.07	224.79	15.00
8764.56	82.16	224.79	8717.49	4659.49	-63.52	-63.06	89.50	89.50	224.79	15.00
8764.81	82.12	224.79	8717.52	4659.52	-63.69	-63.23	89.74	89.74	224.79	15.00
8864.81	82.12	224.79	8731.23	4673.23	-133.98	-133.02	188.80	188.80	224.79	.00
8964.81	82.12	224.79	8744.94	4686.94	-204.28	-202.81	287.86	287.86	224.79	.00
9064.81	82.12	224.79	8758.65	4700.65	-274.57	-272.60	386.91	386.91	224.79	.00
9164.81	82.12	224.79	8772.36	4714.36	-344.87	-342.39	485.97	485.97	224.79	.00
9232.71	82.11	224.79	8781.67	4723.67	-392.60	-389.78	553.23	553.23	224.79	.01
9239.66	83.15	224.79	8782.56	4724.56	-397.49	-394.63	560.12	560.12	224.79	15.00
9249.66	84.65	224.79	8783.62	4725.62	-404.55	-401.63	570.06	570.06	224.79	15.00
9259.66	86.15	224.79	8784.42	4726.42	-411.62	-408.66	580.03	580.03	224.79	15.00
9269.66	87.65	224.79	8784.96	4726.96	-418.71	-415.69	590.01	590.01	224.79	15.00
TARGET 1										
9279.66	89.15	224.79	8785.24	4727.24	-425.80	-422.73	600.01	600.01	224.79	15.00
9289.66	90.65	224.79	8785.26	4727.26	-432.90	-429.78	610.01	610.01	224.79	15.00
9299.66	92.15	224.79	8785.01	4727.01	-439.99	-436.82	620.00	620.00	224.79	15.00
9309.66	93.65	224.79	8784.51	4726.51	-447.08	-443.86	629.99	629.99	224.79	15.00
9319.66	95.15	224.79	8783.74	4725.74	-454.15	-450.88	639.96	639.96	224.79	15.00
9329.66	96.65	224.79	8782.71	4724.71	-461.21	-457.89	649.91	649.91	224.79	15.00
9339.66	98.15	224.79	8781.42	4723.42	-468.25	-464.88	659.82	659.82	224.79	15.00
9349.66	99.65	224.79	8779.87	4721.87	-475.26	-471.84	669.70	669.70	224.79	15.00
9359.66	101.15	224.79	8778.07	4720.07	-482.24	-478.77	679.54	679.54	224.79	15.00
9369.66	102.65	224.79	8776.00	4718.00	-489.18	-485.66	689.32	689.32	224.79	15.00
9379.66	104.15	224.79	8773.69	4715.69	-496.09	-492.51	699.05	699.05	224.79	15.00
9381.60	104.45	224.79	8773.21	4715.21	-497.42	-493.84	700.94	700.94	224.79	15.00
9481.60	104.45	224.79	8748.26	4690.26	-566.15	-562.07	797.77	797.77	224.79	.00
9581.60	104.45	224.79	8723.31	4665.31	-634.87	-630.30	894.61	894.61	224.79	.00
9681.60	104.45	224.79	8698.36	4640.36	-703.59	-698.52	991.45	991.45	224.79	.00
9781.60	104.45	224.79	8673.41	4615.41	-772.31	-766.75	1088.29	1088.29	224.79	.00
9792.74	104.45	224.79	8670.64	4612.64	-779.96	-774.35	1099.07	1099.07	224.79	.00
9792.74	104.45	224.79	8670.63	4612.63	-779.97	-774.35	1099.08	1099.08	224.79	15.00

Measured Depth FT	Incl Angle Deg	Drift Direction Deg	True Vertical Depth	Subsea TVD FT	N-S FT	E-W FT	Vertical Section FT	CLOSURE Distance FT	Direction Deg	Dogleg Severity Deg/100
9794.68	104.15	224.79	8670.16	4612.16	-781.30	-775.68	1100.96	1100.96	224.79	15.00
9804.68	102.65	224.79	8667.84	4609.84	-788.20	-782.53	1110.68	1110.68	224.79	15.00
9814.68	101.15	224.79	8665.77	4607.77	-795.15	-789.42	1120.47	1120.47	224.79	15.00
9824.68	99.65	224.79	8663.97	4605.97	-802.13	-796.35	1130.30	1130.30	224.79	15.00
9834.68	98.15	224.79	8662.42	4604.42	-809.14	-803.31	1140.18	1140.18	224.79	15.00
9844.68	96.65	224.79	8661.13	4603.13	-816.18	-810.30	1150.10	1150.10	224.79	15.00
9854.68	95.15	224.79	8660.10	4602.10	-823.23	-817.31	1160.05	1160.05	224.79	15.00
9864.68	93.65	224.79	8659.33	4601.33	-830.31	-824.33	1170.02	1170.02	224.79	15.00
9874.68	92.15	224.79	8658.83	4600.83	-837.40	-831.37	1180.00	1180.00	224.79	15.00
9884.68	90.65	224.79	8658.58	4600.58	-844.49	-838.41	1190.00	1190.00	224.79	15.00

TARGET 2

9894.68	89.15	224.79	8658.60	4600.60	-851.59	-845.46	1200.00	1200.00	224.79	15.00
9904.68	87.65	224.79	8658.88	4600.88	-858.68	-852.50	1210.00	1210.00	224.79	15.00
9914.68	86.15	224.79	8659.42	4601.42	-865.77	-859.53	1219.98	1219.98	224.79	15.00
9924.68	84.65	224.79	8660.22	4602.22	-872.84	-866.56	1229.95	1229.95	224.79	15.00
9934.68	83.15	224.79	8661.28	4603.28	-879.90	-873.56	1239.89	1239.89	224.79	15.00

9944.68	81.65	224.79	8662.60	4604.60	-886.93	-880.55	1249.80	1249.80	224.79	15.00
9954.68	80.15	224.79	8664.18	4606.18	-893.94	-887.50	1259.68	1259.68	224.79	15.00
9964.68	78.65	224.79	8666.02	4608.02	-900.91	-894.43	1269.51	1269.51	224.79	15.00
9974.68	77.15	224.79	8668.12	4610.12	-907.85	-901.32	1279.28	1279.28	224.79	15.00
9984.68	75.65	224.79	8670.47	4612.47	-914.75	-908.16	1289.00	1289.00	224.79	15.00

9985.98	75.46	224.79	8670.79	4612.79	-915.64	-909.05	1290.26	1290.26	224.79	15.00
10085.98	75.46	224.79	8695.90	4637.90	-984.34	-977.25	1387.06	1387.06	224.79	15.00
10185.98	75.46	224.79	8721.00	4663.00	-1053.03	-1045.45	1483.86	1483.86	224.79	15.00
10285.98	75.46	224.79	8746.11	4688.11	-1121.72	-1113.65	1580.66	1580.66	224.79	15.00
10385.98	75.46	224.79	8771.22	4713.22	-1190.42	-1181.85	1677.45	1677.45	224.79	15.00

10485.98	75.46	224.79	8796.32	4738.32	-1259.11	-1250.04	1774.25	1774.25	224.79	15.00
TARGET 3	75.46	224.79	8803.00	4745.00	-1277.38	-1268.19	1800.00	1800.00	224.79	15.00
10512.59										