

UNITED STATES
DEPARTMENT OF THE INTERIOR
BUREAU OF LAND MANAGEMENT

SUBMIT IN DUPLICATE*

Form approved.
Budget Bureau No. 1004-0137
Expires August 31, 1985

WELL COMPLETION OR RECOMPLETION REPORT AND LOG *

1a. TYPE OF WELL: OIL WELL ☐ GAS WELL ☒ DRY ☐ Other _____		5. LEASE DESIGNATION AND SERIAL NO. SF-078214																			
b. TYPE OF COMPLETION: NEW WELL ☒ WORK OVER ☐ DEEP EN ☐ PLUG BACK ☐ DIFF. RESER. ☐ Other _____		6. IF INDIAN, ALLOTTEE OR TRIBE NAME NA																			
2. NAME OF OPERATOR Union Texas Petroleum Corporation		7. UNIT AGREEMENT NAME NA																			
3. ADDRESS OF OPERATOR P. O. Box 2120 - Houston, Texas 77252-2120		8. FARM OR LEASE NAME McCord																			
4. LOCATION OF WELL (Report location clearly and in accordance with any State requirements)* At surface 860' FNL & 1550' FWL At top prod. interval reported below 3142' FNL & 3260' FWL At total depth 3198' FNL & 3286' FWL		9. WELL NO. 2-E																			
14. PERMIT NO. DATE ISSUED 2/16/89		10. FIELD AND POOL, OR WILDCAT Basin Dakota																			
15. DATE SPUDDED 3/4/89		11. SEC. T. R. M. OR BLOCK AND SURVEY OR AREA Set. 34, T30N, R13W																			
16. DATE T.D. REACHED 4/2/89		12. COUNTY OR PARISH San Juan																			
17. DATE COMPL. (Ready to prod.) SI 4/18/89		13. STATE New Mexico																			
18. ELEVATIONS (DF, RKB, RT, GR, ETC.)* 5681' GR		19. ELEV. CASINGHEAD																			
20. TOTAL DEPTH, MD & TVD 7225' (6332')		21. PLUG BACK T.D., MD & TVD 7185' (+6330')																			
22. IF MULTIPLE COMPL., HOW MANY* ---		23. INTERVALS DRILLED BY ROTARY TOOLS CABLE TOOLS																			
24. PRODUCING INTERVAL(S), OF THIS COMPLETION—TOP, BOTTOM, NAME (MD AND TVD)* 6960-7089' MD (6179-6299' TVD)		25. WAS DIRECTIONAL SURVEY MADE Yes																			
26. TYPE ELECTRIC AND OTHER LOGS RUN DIL-GR, FDC-CNL-GR-Cal.		27. WAS WELL CORED																			
28. CASING RECORD (Report all strings set in well)																					
<table border="1"><thead><tr><th>CASING SIZE</th><th>WEIGHT, LB./FT.</th><th>DEPTH SET (MD)</th><th>HOLE SIZE</th><th>CEMENTING RECORD</th><th>AMOUNT PULLED</th></tr></thead><tbody><tr><td>9 5/8"</td><td>36#</td><td>475'</td><td>12 1/4"</td><td>250 sx</td><td>-</td></tr><tr><td>4 1/2"</td><td>11.6#</td><td>7223'</td><td>8 3/4"</td><td>1804 sx</td><td>-</td></tr></tbody></table>				CASING SIZE	WEIGHT, LB./FT.	DEPTH SET (MD)	HOLE SIZE	CEMENTING RECORD	AMOUNT PULLED	9 5/8"	36#	475'	12 1/4"	250 sx	-	4 1/2"	11.6#	7223'	8 3/4"	1804 sx	-
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31. PERFORATION RECORD (Interval, size and number)																					
Perf 6860' w/3 SPF for block squeeze Perf 6900' w/2 SPF for block squeeze Perf 6960-7089' (25 holes) for production																					
32. ACID, SHOT, FRACTURE, CEMENT SQUEEZE, ETC.																					
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1732	1735	---	Trace	2276	Mist	NA															
34. DISPOSITION OF GAS (Sold, used for fuel, vented, etc.) Flared																					
35. LIST OF ATTACHMENTS																					
36. I hereby certify that the foregoing and attached information is complete and correct as determined from all available records																					
SIGNED <u>Ray J. Morgan</u> TITLE <u>Permit Coordinator</u> DATE <u>6/23/89</u>																					

*(See Instructions and Spaces for Additional Data on Reverse Side)

NMOC

37. SUMMARY OF POROUS ZONES: (Show all important zones of porosity and contents thereof; cored intervals; and all drill-stem, tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries):

38. GEOLOGIC MARKERS

FORMATION	TOP	BOTTOM	DESCRIPTION, CONTENTS, ETC.	NAME	TOP	
					MEAS. DEPTH	TRUE VERT. DEPTH
Fruitland	1398'					
Pictured Cliffs	1630'					
Lewis Shale	1862'					
Huerfanito	2451'					
Bentonite						
Menefee	3614'					
Point Lookout	4488'					
Mancos Shale	4811'					
Gallup	6040'					
Greenhorn	6829'					
Limestone						
Graneros Shale	6900'					
Graneros Sand	6950'					
Dakota	7043'					
Cliffhouse	3459'					

RECEIVED
MAIL ROOM

08 JUN 28 PM 2:00

ARMINGTON RESOURCE AREA
ARMINGTON, NEW MEXICO

Dennis Hofer

RECEIVED
APR 11 1989
2:00 PM

DIRECTIONAL DRILLING REPORT

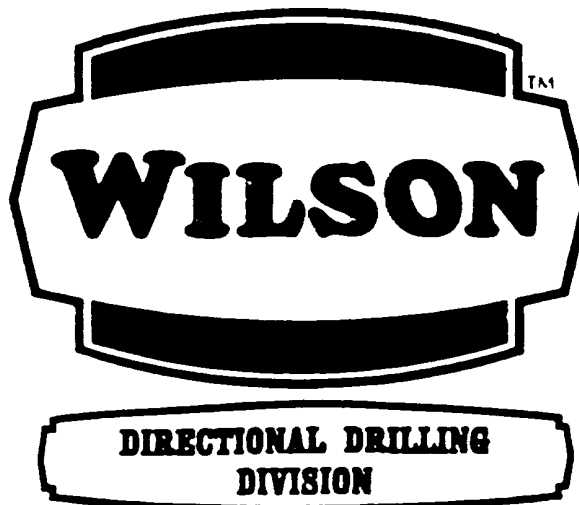
DATE 3-APRIL-1989

COMPANY UNION TEXAS PETROLEUM CORPORATION

WELL McCORD NO.2E SEC. 34 T 30 N R 13 W

LOCATION SAN JUAN COUTY, NEW MEXICO

MAGNETIC DECLINATION 'TRUE' 12 ^{DEGREES} ~~EGREES~~ EASTERLY



RECEIVED
APR 11 1989
2:00 PM

Job No. D9-17031

UNION TEXAS PETROLEUM CORPORATION
 MCCORD WELL NO. 2E
 SECTION 34 T 30 N - R 13 W
 SAN JUAN COUNTY, NEW MEXICO
 WILSON DOWNHOLE DIRECTIONAL DRILLING
 WILSON SUPERVISOR ** OTTO SMITH
 MAG. DEC. 'TRUE' 12 DEGREES EASTERLY
 JOB NO. D9-17031 CONDUCTED MARCH, 1989

RECORD OF SURVEY

ALL CALCULATIONS PERFORMED BY DIGITAL ELECTRONIC COMPUTER

RADIUS OF CURVATURE METHOD

MEAS. DEPTH	DRIFT ANGLE D M	TRUE VERTICAL DEPTH	VERTICAL SECTION	DRIFT DIREC DEG	PAGE 1 TOTAL	COORDINATES	C L O S U R E S		DOG LEG SEVERITY DEG/100FT
							DISTANCE	ANGLE D M S	
55	0 0	55.00	0.00	S 0 E	0.00	S	0.00	S 90 0 0 E	0.000
110	1 15	110.00	0.52	S 67 E	0.24	S	0.60	S 66 59 60 E	2.596
170	1 0	169.98	1.46	S 80 E	0.59	S	1.77	S 70 49 7 E	0.595
230	0 45	229.98	2.03	N 82 E	0.62	S	2.65	S 76 31 3 E	0.618
322	1 0	321.97	2.76	N 87 E	0.50	S	4.01	S 82 56 51 E	0.284
440	0 30	439.96	3.50	N 72 E	0.28	S	5.50	S 87 5 47 E	0.455
572	1 0	571.94	3.87	N 63 E	0.43	N	7.08	N 86 34 42 E	0.389
638	1 15	637.94	4.69	S 35 E	0.10	N	8.00	N 89 19 30 E	2.268
700	2 45	699.90	6.85	S 38 E	1.64	S	9.44	S 80 2 30 E	2.425
763	4 18	762.77	10.72	S 34 E	4.79	S	12.50	S 67 30 21 E	2.491
826	5 30	825.54	16.09	S 31 E	9.33	S	17.18	S 57 6 26 E	1.948
889	6 54	888.17	22.87	S 38 E	14.90	S	23.61	S 50 51 44 E	2.525
949	8 12	947.65	30.74	S 42 E	20.92	S	31.38	S 48 11 33 E	2.337
1006	9 12	1004.00	39.31	S 43 E	27.28	S	39.97	S 46 58 21 E	1.774
1069	10 6	1066.10	49.83	S 41 E	35.13	S	50.50	S 45 55 28 E	1.524

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MEAS. DEPTH	DRIFT ANGLE D M	TRUE VERTICAL DEPTH	VERTICAL SECTION	DRIFT DIREC DEG	PAGE 2		COORDINATES	C L O S U R E S		LOG LEG SEVERITY DEG/100FT
					TOTAL			DISTANCE	ANGLE D M S	
1132	10 42	1128.07	61.18	S 39 E	43.84	S	43.59 E	61.82 S	44 49 52 E	1.111
1193	11 18	1187.95	72.81	S 39 E	52.89	S	50.91 E	73.41 S	43 54 29 E	0.984
1256	11 42	1249.68	85.35	S 40 E	62.58	S	58.90 E	85.94 S	43 15 57 E	0.709
1319	12 12	1311.32	98.36	S 41 E	72.50	S	67.37 E	98.97 S	42 54 10 E	0.859
1381	12 42	1371.86	111.65	S 44 E	82.34	S	76.41 E	112.33 S	42 51 30 E	1.318
1443	14 6	1432.17	125.88	S 45 E	92.59	S	86.48 E	126.69 S	43 2 50 E	2.289
1506	15 0	1493.15	141.54	S 45 E	103.78	S	97.67 E	142.51 S	43 15 51 E	1.429
1569	15 30	1553.93	157.93	S 45 E	115.49	S	109.39 E	159.07 S	43 26 42 E	0.794
1629	16 6	1611.66	174.11	S 44 E	127.15	S	120.84 E	175.41 S	43 32 33 E	1.098
1692	18 0	1671.89	192.50	S 39 E	141.00	S	133.03 E	193.85 S	43 20 6 E	3.809
1755	21 18	1731.22	213.63	S 42 E	157.07	S	146.82 E	215.00 S	43 4 4 E	5.477
1818	23 24	1789.48	237.51	S 40 E	175.16	S	162.52 E	238.94 S	42 51 22 E	3.545
1880	25 54	1845.82	263.32	S 40 E	194.96	S	179.14 E	264.76 S	42 34 39 E	4.032
1943	28 30	1901.84	292.06	S 40 E	217.02	S	197.64 E	293.53 S	42 19 29 E	4.127
2002	30 24	1953.21	320.97	S 42 E	238.90	S	216.68 E	322.52 S	42 12 30 E	3.626
2065	32 24	2006.99	353.58	S 44 E	262.89	S	239.08 E	355.34 S	42 17 2 E	3.580
2095	33 42	2032.13	369.81	S 44 E	274.66	S	250.44 E	371.69 S	42 21 34 E	4.333
2183	34 15	2105.11	418.57	S 44 E	310.03	S	284.60 E	420.85 S	42 33 4 E	0.625
2274	34 45	2180.10	469.69	S 44 E	347.11	S	320.41 E	472.38 S	42 42 33 E	0.549
2368	34 30	2257.45	522.65	S 44 E	385.53	S	357.51 E	525.78 S	42 50 25 E	0.266
2490	34 0	2358.30	590.88	S 42 E	435.73	S	404.34 E	594.43 S	42 51 34 E	1.010
2615	33 45	2462.08	660.24	S 42 E	487.51	S	450.96 E	664.10 S	42 46 10 E	0.200
2739	34 0	2565.03	729.05	S 42 E	538.87	S	497.20 E	733.21 S	42 41 49 E	0.202
2862	33 45	2667.16	797.35	S 41 E	590.22	S	542.63 E	801.75 S	42 35 41 E	0.497
3017	34 0	2795.84	883.49	S 41 E	655.42	S	599.31 E	888.11 S	42 26 22 E	0.161
3173	35 0	2924.41	971.64	S 40 E	722.61	S	656.69 E	976.42 S	42 15 49 E	0.737
3298	35 45	3026.33	1043.78	S 42 E	777.21	S	704.16 E	1048.76 S	42 10 37 E	1.104
3360	35 15	3076.81	1079.69	S 39 E	804.58	S	727.55 E	1084.74 S	42 7 18 E	2.923
3518	36 30	3204.84	1172.16	S 40 E	876.01	S	786.45 E	1177.24 S	41 54 58 E	0.874
3643	37 30	3304.67	1247.21	S 41 E	933.21	S	835.31 E	1252.44 S	41 49 53 E	0.934

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					TOTAL			DISTANCE	ANGLE D M S	
3738	38	0	3379.78	1305.15	S 42 E	976.77	S	873.85	E	
3861	36	15	3477.86	1379.19	S 39 E	1033.17	S	922.07	E	0.832
3985	34	45	3578.82	1451.16	S 35 E	1090.62	S	965.42	E	2.047
4111	33	45	3682.98	1522.06	S 38 E	1147.63	S	1007.57	E	2.230
4205	33	0	3761.47	1573.75	S 38 E	1188.37	S	1039.41	E	1.557
4300	31	45	3841.70	1624.59	S 39 E	1228.19	S	1071.07	E	0.798
4421	31	15	3944.88	1687.78	S 37 E	1278.00	S	1109.99	E	1.431
4546	32	15	4051.18	1753.53	S 34 E	1331.54	S	1148.16	E	0.957
4671	33	45	4156.01	1821.58	S 37 E	1386.93	S	1187.71	E	1.495
4794	35	0	4257.53	1891.01	S 35 E	1443.12	S	1228.51	E	1.774
4918	36	0	4358.48	1962.99	S 35 E	1502.10	S	1269.81	E	1.370
5044	36	45	4459.93	2037.68	S 35 E	1563.31	S	1312.67	E	0.806
5137	36	0	4534.81	2092.77	S 33 E	1609.03	S	1343.52	E	0.595
5260	35	0	4634.95	2163.96	S 31 E	1669.58	S	1381.37	E	1.509
5353	33	45	4711.71	2216.12	S 29 E	1715.04	S	1407.64	E	1.246
5447	32	15	4790.53	2266.86	S 29 E	1759.82	S	1432.46	E	1.811
5571	30	0	4896.68	2330.46	S 30 E	1815.61	S	1464.00	E	1.596
5695	28	0	5005.13	2390.31	S 33 E	1866.87	S	1495.36	E	1.862
5821	26	15	5117.27	2447.52	S 30 E	1915.82	S	1525.40	E	1.994
5945	24	0	5229.54	2499.70	S 28 E	1961.84	S	1550.95	E	1.763
6071	22	15	5345.41	2548.69	S 29 E	2005.33	S	1574.55	E	1.939
6191	20	30	5457.15	2591.99	S 28 E	2043.76	S	1595.43	E	1.423
6253	20	30	5515.22	2613.43	S 27 E	2063.02	S	1605.46	E	1.490
6316	20	0	5574.33	2634.93	S 27 E	2082.44	S	1615.36	E	0.565
6435	19	0	5686.50	2673.90	S 24 E	2118.27	S	1632.48	E	0.794
6560	19	30	5804.51	2714.12	S 24 E	2155.92	S	1649.24	E	1.189
6682	19	45	5919.43	2754.25	S 26 E	2193.05	S	1666.56	E	0.400
6811	21	0	6040.35	2798.40	S 26 E	2233.42	S	1686.24	E	0.587
6968	21	15	6186.80	2854.02	S 26 E	2284.27	S	1711.05	E	0.969
7125	23	15	6332.10	2912.23	S 24 E	2338.16	S	1736.13	E	0.159

BOTTOM HOLE CLOSURE 2912.24 FEET AT S 36 35 40 E

UNION TEXAS PETROLEUM CORPORATION
McCORD WELL NO. 2E
SECTION 34 T 30 N - R 13 W
SAN JUAN COUNTY, NEW MEXICO
WILSON DOWNHOLE DIRECTIONAL DRILLING
WILSON SUPERVISOR ** OTTO SMITH
MAG. DEC. 'TRUE' 12 DEGREES EASTERLY
JOB NO. D9-17031 CONDUCTED MARCH, 1989

WILSON SUPERVISOR: Otto Smith

WE CERTIFY THAT THIS IS A TRUE AND CORRECT REPORT OF OUR SURVEY AND THAT IT
AFFORDS A TRUE AND CORRECT REPRESENTATION OF OUR EARNINGS AS TO THE NATURE
AND CONDITIONS OF THE WELL AT THE TIME THE SURVEY WAS MADE.


WILSON INDUSTRIES INC.
Directional Drilling Division
1-713-237-3976

UNION TEXAS PETROLEUM CORP.

McCORD WELL NO. 2E

SEC. 34 T 30 N - R 13 W

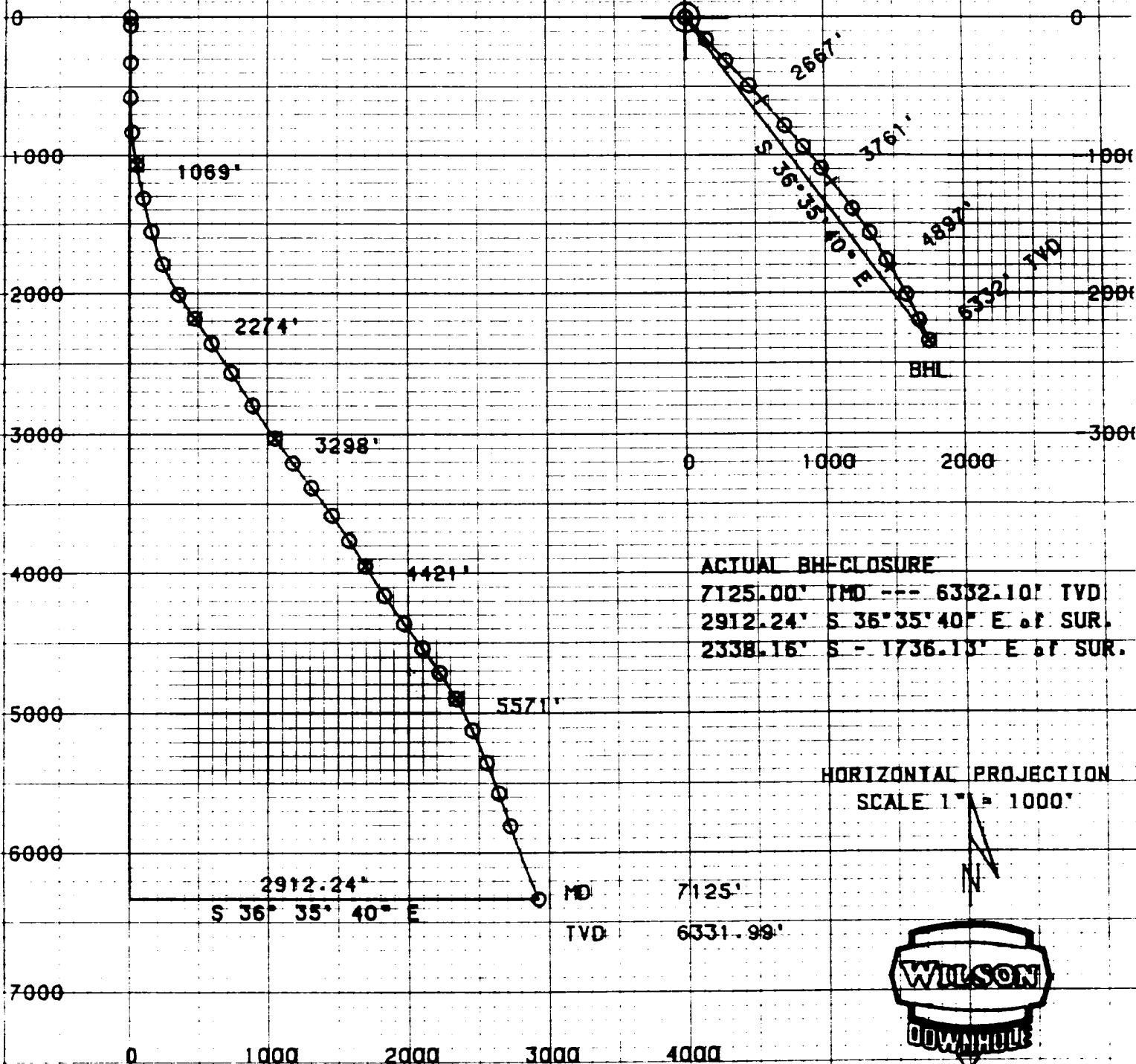
SAN JUAN COUNTY, NEW MEXICO

MAG. DEC. 'TRUE' 12° 00' EAST



VERTICAL PROJECTION
SCALE 1" = 1000'

SUR. LOC.





WILSON DOWNHOLE SERVICES P.O. BOX 1492 HOUSTON, TEXAS 77001/713-237-3946
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