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OIL CON. COM DIST. 3

Budget Bureau No. 42-R355.4. Approval expires 12-31-60.

U. S. LAND OFFICE Senta Fe SERIAL NUMBER 3F-078107-E LEASE OR PERMIT TO PROSPECT

UNITED STATES

DEPARTMENT OF THE INTERIOR CENTER **GEOLOGICAL SURVEY**

LOG OF OIL OR GAS WELL LOCATE WELL CORRECTLY Box 2180, Mounton 1, Texas Company Humble Cil & Raffining Company Address Box 1268, Paraington, N. H. Lessor or Tract No. Waterflow Unit No. 1 Field Wildest State New Mexico Well No. 1 Sec. 28 T. 30N R. 15M Meridian County San Juan Location 1980 ft. S. of 3. Line and 1980 t. E. of 3. Line of Section 28. Elevation 5219. The information given herewith is a complete and correct record of the well and all work done thereon so far as can be determined from all available records. Rusself M. Lilly Rusself ... Title Dist. Supt. Signed March 18, 1958 Date The summary on this page is for the condition of the well at above date. Commenced drilling 1-10-, 19 58 Finished drilling Th 2-5-58, 19 OIL OR GAS SANDS OR ZONES (Denote gas by G) No. 4, from _____ to ____ No. 1, from Mell dry and tre abandened. No. 2, from _____ to ____ No. 5, from _____ to ____ No. 3, from _____ to ____ No. 6, from _____ to ____ IMPORTANT WATER SANDS No. 1, from _____ to ____ No. 3, from _____ to ____ No. 2, from No. 4, from _____ to ____ CASING RECORD Perforated Threads per inch Kind of shoe tie Baer, spie But el material used. to have a carrelete his terr of it. Well. Please state in detail the datts of retrieves it there were any changes made in the casher state fully and it is results and the property of the pro HISTORY OF DIL OR GAS WELL MUDDING AND CEMENTING RECORD Size casing Number sacks of cement Where set Method used Mud gravity Amount of much used 9-5/8" 3131 10.4 300 Pumped PLUGS AND ADAPTERS Heaving plug-Material Length Depth set Adapters—Material Size SHOOTING RECORD Shell used Explosive used Quantity Depth shot TOOLS USED Rotary tools were used from _____feet to _____feet, and from _____feet to _____feet Cable tools were used from ______ feet to _____ feet, and from _____ feet to _____ feet DATES Put to Hearingad abandened 3-11-58, 19, 19..... The production for the first 24 hours was _____ barrels of fluid of which _____% was oil; _____% emulsion; % water; and % sediment. Gravity, °Bé. Rock pressure, lbs. per sq. in. **EMPLOYEES** Fred Bosen, Driller J. R. Blackern , Driller, Driller Driller FORMATION RECORD

	FORWATION RECORD		
FROM-	то-	TOTAL FEET	FORMATION
0 328 700 1191 1295 1701 2025 2651 2840	328 700 1191 1295 1701 2025 2651 2840 4967 TD	328 372 491 104 406 324 626 189 2127	Sand & shale Shale Sand & shale Sand & shale Sand & shale Sand, shale & soul Sand & shale Sand & shale Sand & shale
Forma	tion Tops:		
esaverde enefee t. Lookout ancos allup reenhorn orrison	1068 1716 2600 2878 4135 4657 4959		
	V.63	1017 CAR	MOTERT 12 C

This well was drilled to a total depth of 4967' and was spudded 1-10-58. Set 9-5/8" casing at 313' w/300 sks. 2% CC coment. Coment circulated. Gut Core Sc. 1, 2522 - 2557, cut 35', rec. 33': 8' dark gr sandy shale, 83; 3' lt grey MSS, HS; 1' coel; 15' dk gr sandy shale; 5' gray ground up shale; 1' gr FG very hard tite SS, MS. Core No. 2, 2557 - 2608, cut & rec 51'; 20' dark gr sandy shale & shaley coal; 1' coal; 20' dark gr sandy shale & shaley coal; 2' coal; 6' light gr F-M gr SS, trace pore, trace golden fluor. & stn. DST #1 2605 - 2657, ree. 450' muddy malt water and 1860' malt water. 097 #2 2811 - 2840, res. 95' drlg. mud. Core Bo. 3, 2608 - 2657, rec. lt gr fine to med gr SS, trace fluor & stn. DST #3, 2814 - 2909, ree 40' drlg. mad. 157 M., 3982 - 4015, rec. 5' drig. mid. Core No. 4, 4190 - 4216, out & rec 26': 13' blk sandy shale; 9' blk sandy shale w/2" - 6" othe gr med to comme grained hard tite 95; A' gr sandy shele. Gore No 5, A216 - 4242, rec. 26' blk sendy shale, NS. Core No. 6, 1912 - 1292, cut & rec. 50': 28' dark gr sandy shale, becomes more sandy toward bottom, HS; 3" gr shaley med to course gr SS, HS; 9" It gr med to course gr SS, fair spotty sta & odor; 10' dark gr sandy shale, 13. DST #5, 4193 - 4292, rec 3760' drlg mad & 90' mad cut water. Misrum DOT #6, 4193 - 4292, ree. 33501 gas out mut. Sore No. 7, 4786 - 4836, out & rec 50', Sand, shale & coal w/porosity, stn & odor. DST 97, 4775 - 4636, rec 40' drlg. mud. Marun Core No. 8, 4836 - 4886, cut 52', rec. 51': 85, shale & coal, 89. Det 98, 1775 - 1886, see 105' drig, mud. Tool plugged. 181 89, 1775 - 1873, rec 30' drlg. mud. Tool plugged. Core No. 9, 4893 - 4943, cut & rec 50', no oder or stn, good pero, drlg break from 4905 - 4925. DET #10, 4904 - 4943, rec. 95' drlg. mod. Core No. 10,4943 - 4967, cut 24', rec. 21': 1' bl sandy shale, gr fine to med gr 83, 38; 3' gr P-M gr, hard shaley 35, looks tight, NS; 1' coal; 1.5' black shale; 1.5' gr coaly M-C gr SS, looks tight, MS; 2' tan M-C gr conglowerate SS, fair to good porosity, looks wet. 13; 3' assumed to be lest; 1.5' tan, N-C gr conglowerate 58, fair to good perceity, looks wet, MS; 9.5' green sandy, very hard & tight miltstone, MS.

Ran legs. Reserved USGS approval to plug back. 1st. plug 4625 - 4967 w/140 sks reg; 2nd. plug 4397 - 4497 w/40 sks reg. Found top of sement at 4437'. Set 5-1/2" casing at 4437' w/250 sks reg cament. Top of sement at 3792'.

Moved out rotary rig. Perforated 4170' - 4338' w/2 bullet/ft. Swabbed well dry. Treated formation w/2000 gals. MCA at inj. pr. of 50%. Sand/oil fraced w/30,000gals oil & 40,000% sand. Treating pr. 1750%. Used 300 rubber balls.

Set 2" tubing at 4181'. Sembbed.

On last 12 hour test, swabbed 22 bbls. fluid, 17 bbls. load oil, 5/0 23% RSAM. A97 bbls LO

Received USGS approval to plug and abandon.

Set Baker Model E CI retainer at 4106'. Squaezed perf. 4170 - 4338 w/100 eks. reg. Dumped 1 bbls. cement on top of retainer. Gut 5-1/2" casing at 2610'. Ran open ended tubing. Set coment plug 3650 - 3500 w/40 eks., second plug 1100 - 975 w/50 eks. Spotted 25' plug in top of surface casing.

Installed markers as per USOS rules.

Well plugged and shandoned, 3-11-58.