

THIS FORM TO BE SUBMITTED ALONG WITH FORM NO. 114 NOT LATER THAN 10 DAYS AFTER WELL COMPLETION OR ABANDONMENT IF A DRY HOLE. SHOW CHANGES IN TYPE OF MUD WITH REASON. HISTORICAL DETAILS IN CHRONOLOGICAL ORDER, WITH DATE, CONDITION AND DEPTH OF HOLE. CIRCULATION, BLOWOUTS, SURVEYS FOR DEVIATION FROM VERTICAL, DRILL STEM TESTS, CORING DEPTHS, ELECTRICAL SURVEYS, DESCRIPTION OF POSSIBLE PRODUCING ZONES Cased Off, DESCRIPTION OF CASING JOBS SHOWING TYPES OF SHOES AND FLOAT EQUIPMENT, DETAILS OF CASING PULLED PRIOR TO COMPLETION, SIDETRACKED FISH, SHOT AND ACIDIZING RECORDS, PLUGS, ETC.

USE TYPEWRITER.

HISTORY OF WELL AT TIME OF COMPLETION

LEASE Gallegos Canyon Unit WELL NO. 149
SEC. 17 T. 28N R. 12W COUNTY San Juan
STATE New Mex co FIELD Totah Gallup
A.P.E. NO. _____

ALL DEPTHS FROM TOP OF KELLY BUSHING UNLESS OTHERWISE SPECIFIED.

Gallegos Canyon Unit #149 - Development Well
Projected Depth 5550' - Gallup
SDX 100%
Location 1880' FNL & 1980' FWL Sec. 17-28N-12W
San Juan County, New Mexico
Contractor: Exeter Drilling Company

1963

- 9-9 M.I.R.T. Location staked by San Juan Engineering Company, 1880' FNL & 1980' FWL of Sec. 17-28N-12W. Location was moved 100' North of Center of quarter quarter section due to terrain. Surveyor's Ground Elevation 5604'. KB 13' above ground.
- 9-10 WOC surface casing; TD 238'. Made 238'. Rigged up. Spudded 12-1/4" hole at 5:00 p.m. Drilled to 238'. Ran 7 jts 8-5/8" csg OD, 24# J55 and set at 235' w/200 sx class "A" cement with 2% calcium chloride. 35 sx circulated to cellar. Plug down 12:25 a.m. 9-10-63. WOC.
- 9-11 Drlg. 1640'. Made 1402'. 3/4° dev. @ 200'; 1° dev. @ 1500'. Installed BOP. tested 8-5/8" OD csg and BOP to 1000# with clear wtr for 30 mins. Okey.
- 9-12 Drlg. 2720'. Made 1080'. 3/4° dev. @ 2450'.
- 9-13 Drlg. 3347'. Made 627'. Mud Wt. 8.9, Visc. 38, WL 10.0. 3/4° dev. @ 3347'.
- 9-14 Drlg. 4097'. Made 750'. Used 75 sx gel, 175# caustic, 350# carbonox. 150# cellex, 9 gal condet., 50 bbls. diesel oil, 200# soda ash. Mud Wt. 9.4#, Viscosity 43 sec. Dev. 1/2 degrees at 3925'.
- 9-15 Drlg. 4581. Made 484'. Used 50 sx gel, 75# caustic, 100# carbonox, 75# cellex, 4 gal condet, 20 bbls. diesel oil. Mud Wt. 9.4#, Visc. 43 sec., WL 8.8 c.c. Dev. 1/2 degree at 4025'.
- 9-16 Drlg. 4952'. Made 371'. Used 35 sx gel, 75# caustic, 200# carbonox, 6 gal condet, 10 sx aspen fiber, 15 sx fibertex. Mud Wt. 9.4#, Visc. 43 sec; WL 7.8 c.c. Dev. 1/4 degrees at 4500'.

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- 9-17 Drlg. 5385'. Made 433'. Used 40 sx gel, 150 # carbonox, 35# caustic, 100# cellex, 50# dextrose, 6 gal condet, 5 sx aspen fiber, 30 bbls. oil. Mud Wt. 9.6#, Visc. 46 sec., WL 7.8 c.c.
- 9-18 Prep to run casing. Present Depth 5550'. Made 165'. Used 45 sx gel, 100# dexrid, 75# caustic, 10 gal condet, 100# carbonox, 25# soda ash, 50# cellex. Mud Wt. 9.4#, Visc. 85 sec., WL 8.4 c.c. Dev. 1 degree at 5550'.
- Ran Schlum. I-ES & Gamma Ray-Sonic logs. Circulating to run casing.
- 9-19 Present Depth 5550'. WOC. Laid down DP. Ran 175 jts 4-1/2" OD, 11.6# J-55 and set at 5550' with Baker T.C. stage collar at 1549'. Cemented 1st stage with 125 sx class C cement with 12-1/2# Gilsomite per sx, followed with 50 sx class C with 2% Cal. Chlor. Pressured to 2000#. Plug down at 3:10 p.m. 9-18-63. WOC to 8:00 p.m. Opened T.C. collar & cemented with 125 sx class C with 12-1/2# Gilsomite per sk. Closed T.C. collar & pressured to 2500# for 15 mins. Held okay. Job complete at 8:45 p.m. 9-18-63. Set slips & cut off 4-1/2" csg. Installed tubing head. Ran Z EUE tubing to 5520, then pulled up and hung at 5460'. Released rig at 4:00 a.m. 9-19-63. WOC.
- 9-20 Completing. Present depth 5550'. MOHT. Moved in Aztec well Service double drum unit. Displacing water with oil.
- 9-21 Completing. TD 5550'. Spotted with 250 gal MCA at 5473. Pulled tubing Ran LaneWells Corr. log. 6' low to Schlum. Perf's w/4 holes per foot with L.W "E" gun 5462-5474' (Schlum. meas.) Attempted to BD formation at 5000#. No break. SI overnight.
- 9-22 TD 5550'. Ran 2-3/8' tubing to 5470' with HOWCO, RTTS at 5402'. Spotted 250 gal 15% MCA at perfs. 3D at 3200# to 2000#. Pulled RTTS. Frac with 10,000# 40-60 sand and 30,000 # 20-40 sand with 40,000 gal. Lease crude 50# admite per 1000 gal in first 5000# gal & 25# admite per 1000 gal in balance. Max. pressure 3200#, minimum 2900#. Avg. injection rate 31.1 BPM. ISIP 900#, 5 min. 850#, 8-1/2 hrs 600#.
- 9-23 TD 5550. Opened well after 8-1/2 hrs. SI. Flowed back 80 BLO, then died. Ran sand pump. Sand at 5440'. Ran tubing open ended and washed out sand 5440' to 5493'. Hung tubing at 5432'. SD overnight. Lack 1195 BLO. Will swab this morning.

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- 9-24 TD 5550'. Swabbed 135 BLO in 11 hrs. Fluid level at 3000' at end. Lack 1060 BLO.
- 9-25 TD 5550'. Swabbed and flowed 113 BLO in 11 hrs. Fluid level at 2700' at end. SI overnight. TP 100#, CP zero #. Lack 947 BLO.
- 9-26 TD 5550'. Swabbed 82 BLO in 10 hrs. SI overnight. CP 200#, TP 120#. Fluid level at 2500'. Pulled swab twice. Flowing. Lack 865 BLO.
- 9-27 TD 5550'. Swabbed 38 BLO in 6 hrs. SI 17 hrs. This morning CP 450#, TP 400#. Opened ; and flowing. Lack 827 BLO.
- 9-28 TD 5550'. Flowed 18 BLO on 3/4" choke. Died. Built up overnight to 560# CP. Unable to kick off. Running rods and pump. Lack 809 BLO.
- 9-29 TD 5550'. Finished running rods and pump. Setting pumping unit. Lack 809 BLO.
- 9-30 TD 5550'. Finished setting pumping unit. Pumped 15 BLO and engine died. Lack 795 BLO.
- 10-1 TD 5550'. Pumped 44 BLO in 16 hrs. Lack 751 BLO.
- 10-2 TD 5550'. Pumped 41 BLO/24 hrs. Lack 710 BLO.
- 10-3 TD 5550'. Pumped 24 BLO/24 hrs. Lack 686 BLO.
- 10-4 TD 5550'. Pumped 19 BLO. Lack 667 BLO.
- 10-7 TD 5550'. Pumped 72 hrs - 56 BLO. Lack 611 BLO.
- 10-8 TD 5550'. Pumped 14 BLO/24 hrs. Lack 597 BLO.
- 10-9 TD 5550'. Pumped 15 BLO. Lack 582 BLO.
- 10-10 TD 5550'. Pumped 15 BLO. Lack 567 BLO.
- 10-11 TD 5550'. Pumped 5 BLO. Lack 562 BLO.
- 10-14 TD 5550'. Pumped 47 BLO/72 hrs. Lack 515 BLO.
- 10-15 TD 5550'. Pumped 14 BLO. Lack 501 BLO.
- 10-16 TD 5550'. Pumped 9 BLO. Lack 492 BLO.

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10-17 TD 5550'. Pumped 10 BLO. Lack 482 BLO.
10-18 Pumped 10 BLO. Lack 472 BLO.
10-21 Pumped 29 BLO/72 hrs. Lack 443 BLO.
10-22 Pumped 9 BLO. Lack 434 BLO.
10-23 Pumped 9 BLO. Lack 425 BLO.
10-24 Pumped 9 BLO. Lack 416 BLO.
10-25 Pumped 9 BLO. Lack 407 BLO.
10-28 Pumped 28 BLO/72 hrs. Lack 379 BLO.
10-29 Pumped 9 BLO. Lack 370 BLO.
10-30 Pumped 9 BLO. Lack 361 BLO.
10-31 Pumped 9 BLO. Lack 352 BLO.
11-1 Pumped 9 BLO. Lack 343 BLO.
11-4 Pumped 27 BLO in 3 days. Lack 316 BLO.
11-11 Pumped 63 BLO in 7 days. Lack 253 BLO.
11-18 Pumped 63 BLO in 7 days. Lack 190 BLO.
11-25 Pumped 63 BLO in 7 days. Lack 127 BLO.
12-2 Pumped 63 BLO in 7 days. Lack 64 BLO.
12-9 Pumped 64 BLO in 7 days. All load oil recovered. Well potential test.
12-11 TD 5550'. Potential test: 24 hrs. pumped 8 BO, no wtr. GOR 2280:1,
1-1/4" pump 11-54" SPM. Grav. 41.2 degrees API. FINAL REPORT.

12-12-63

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