UNITED STATES

DEPARTMENT OF THE INTERIOR BUREAU OF LAND MANAGEMENT

| Sundry Notices and Reports on Wells 5. Lease Number SP-0470175 SP-0470175 If Indian, All. or Tribe Name 7. Unit Agreement Name 7. Unit Agreement Name 8. Well Name & Number Angel Peak B #14 | | *** | | |
|--|-------------------------------------|---|-------------|--|
| Type of Well GAS Type of Well GAS Name of Operator MERIDIAN ○ L Address & Phone No. of Operator PO Sox 4289, Farmington, NM 87499 (505) 326-9700 Location of Well, Footage, Sec., T, R, M Location of Well, Footage, Sec., T, R, M 1650'FNL, 1650'FEL, Sec.13, T-28-N, R-11-W, NMPM CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OTHER DATA Type of Submission X Notice of Intent Subsequent Report Plugging Back Casing Repair Final Abandonment Altering Casing Conversion to Injection Other Charge of Plans New Construction | Sundry Notices | and Reports on Wells | | |
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NMOCD

DISTRICT MANAGEP

PLUG & ABANDONMENT PROCEDURE

5/11/95

Angel Peak B #14
Fulcher Kutz Pictured Cliffs
DPNO 32137A
NE Section 13, T-28-N, R-11-W
San Juan County, New Mexico

Note: All cement volumes use 100% excess outside pipe and 50' excess inside pipe. The stabilizing wellbore fluid will be 8.3 ppg, sufficient to balance all exposed formation pressures.

- 1. Install and test location rig anchors. Prepare blow pit for cement washout only. Comply to all NMOCD, BLM, and MOI safety regulations.
- 2. Conduct safety meeting for all personnel on location. NU relief line. Blow down well and kill with water as necessary. ND wellhead and NU BOP. Test BOP.
- 3. PU on 1 1/4" tubing and TOOH. Run gauge ring (3 1/2", 10.3#) to 1940'. POOH and PU 3 1/2" CR and TIH.
- 4. Plug #1 (Pictured Cliffs perforations, 1825'--1935'): Wireline set 3 1/2" CR @ 1825' Establish rate and squeeze Pictured Cliffs perforations with 9 sxs Class B cement. Sting out of retainer and spot 2 sxs on top of retainer. Pressure test casing to 500 psi and PUH to 1658'.
- 5. Plug #2 (Fruitland top, 1558'--1658'): Mix 10 sxs Class B cement and spot balanced plug from 1658' -- 1558'. TOOH with workstring.
- 6. Plug #3 (Kirtland and Ojo Alamo tops, 1088'--1248'): Perforate 6 holes @ 1248' through both the 3 1/2" and 5 1/2" casing. If casing tested, establish rate with water into squeeze holes. PU 3 1/2" CR and TIH. Set CR @ 1198'. Establish rate with water into perfs. Pressure test CR and casing to 500# psi. Sting into CR. Mix and pump 56 sxs Class B cement, squeeze 47 sxs cement outside 5 1/2" casing annulus and leave 9 sxs inside 3 1/2" casing. POOH.
- 7. Plug #4 (Surface -- 152'): Perforate 6 holes @ 152' through both the 3 1/2" and 5 1/2" casing. Establish rate out both the intermediate and bradenhead valves. Mix and pump approximately 39 sxs Class B cement down 3 1/2" casing. Circulate good cement out bradenhead valve, then shut bradenhead valve. Continue cementing until cement circulates out intermediate valve then shut in well and WOC.
- 9. ND BOP and cut off wellhead below surface casing. Note the cement level in the casing and annulus; fill as necessary. Install P&A marker to comply with regulations.
- 10. Rig down, cut off anchors, move off location, and restore location per BLM stipulations.

| Recommended: | |
|--------------|---------------------------|
| | Operations Engineer |
| Approval: | Production Superintendent |

LWD/CRF/cf

Angel Peak B #14

Fulcher Kutz Pictured Cliffs DPNO 32137A

1650' FNL, 1650' FEL, Section 13, T-28-N, R-11-W, San Juan County, NM

Spud: 4-3-50 Completed: 4-20-50 8 5/8" 28#, Csg set @ 102' Circ. 25 sxs cmt to surface Plug #4 152' - Surface Cmt w/39 sxs Class B TOC @ 800' (TS) Ojo Alamo @ 1138' Kirtland @ 1198' Plug #3 1248' - 1088' CR @ 1198' Cmt w/56 sxs Class B TOC @ 1500' (Est 75% effic) Plug #2 1658' - 1558' Cmt w/10 sxs Class B Fruitland @ 1608 Plug #1 1935' - 1825' -CR @ 1825' Cmt w/11 sxs Class B 5 1/2", 14#, J55 Csg set @ 1882', Pictured Cliffs @ 1877' Cmt w/75 sx cmt to 1500' (Est. 75% effic) Original Completion -Perfs @ 1875', 83', 87', 91', 95', 99', 1903', 07', 11', 15', 19', 23', 27', 31', & 35' Open Hole from 1882' - 1969' (Total of 15 shots) 3 1/2", 10.3#, L75 Csg set @ 2009' PETRIZONI

TD 2009

Cmt w/144 cf cmt to 800' (TS)

PERTINENT DATA SHEET

5/10/95

| | Angel Peak B # | 14 | | j | DP NUMBER: | 32 | 2137A | | |
|---|--|--|--|--|--|--|---|---|--|
| | | | | | PROPERTY NUMBER: | 07 | 1243300 | | |
| WELL TYPE: | Fulcher Kutz Pio | ctured Cliffs | | | ELEVATION: | GL: KB: | 5805' 5815' | | |
| LOCATION: | Sec. 13, T28N, | | | | INITIAL POTENTIAL: | AOF | 1,500 | Mcf | |
| | San Juan Count | y, New Mexico | | | INITIAL SITP: CURRENT SITP: | 5/50 | 350 | psig | |
| OWNERSHIP: | GWI: NRI: SJBT: | 100.0000% 87.5000% 0.0000% | | · | DRILLING: | COM | D DATE: PLETED: DEPTH: PBTD: | | 04-03-50 04-22-50 2009' 2008' |
| CASING RECORD: | | | | | | | | | |
| HOLE SIZE | SIZE | WEIGHT | GRADE | <u>DEPTH</u> | EQUIP. | CEN | MENT | | тос |
| 10 3/4" | 8 5/8" | 28# | | 102' | - | 25 | 5 sx | Circ. | Surface |
| 7 7/8" | 5 1/2" | 14# | J55 | 1882' | | 75 | 5 sx | Est 75% | 1500' |
| 4 3/4* | 3 1/2" | 10.3# | L75 | 2009' | | 14 | 14 cf | TS | 800' |
| Tubing | 1 1/4" | 2.4# | J55 | 1929' | Total of 59 jts. EUE - | - SN 1 jt. off b | oottom | | |
| FORMATION TOPS: | Nacimiento Ojo Alamo Kirtland Fruitland Pictured Cliffs Lewis Cliff House Menefee | | Surface 1138' 1198' 1608' 1877' | | Point Looko Mancos Gallup Graneros Dakota | ut | | | |
| LOGGING: | DIL, GR, CBL, 1 | TS, CCL, Trace | er Log, & (| Gas Spect | um Log | | | | |
| | (4050) 0 | le 1882' 196 | | 3'. 07' 11' | 15' 10' 22' 27' 24' 9 25' | | | | |
| PERFORATIONS | (1950) Open Ho (1983) 1875'; 8 | 3', 87', 91', 95', | 99, 1903 | ., , , | , 13, 18, 23, 21, 31, 0, 35 | (Total of 15 s | nots) | | |
| PERFORATIONS STIMULATION: | | ole Shot w/210 | qts. SNG | | | (Total of 15 s | nots) | | |
| | (1983) 1875'; 8 (1950) Open Ho | ole Shot w/210 | qts. SNG | | | (l otal of 15 s | nots) | | |
| STIMULATION: | (1983) 1875; 8 (1950) Open Ho (1983) 70,000# TIH w/2 3/8" tub TOH w/workstrii | ole Shot w/210 20/40 sand & oing and tag @ ng. Run 3 1/2" | qts. SNG 66,000 ga 1889'. C casing & | il. 70 Q Fo | | shot hole fron | n 1882' | 1969'. Ru w/66,000 g | n logs. Ial. Q foam |
| STIMULATION: WORKOVER HISTORY: | (1983) 1875'; 8: (1950) Open Ho (1983) 70,000# TIH w/2 3/8" tub TOH w/workstrii and 70,000# 20/ Found scale on back to 1860' & | ole Shot w/210 20/40 sand & oing and tag @ ng. Run 3 1/2" /40 sand. Clea tubing (soluble pump 16,000 soluble pump 16,000 soluble pump 16,000 soluble pump 16,000 soluble | qts. SNG 66,000 ga 1889'. C casing & n out and in 15% H | irculate ho cement w land 1 1/4 | oam ole w/foam and clean out old v/144 cf cement. TOC @ 80 | shot hole fron 0' (TS). Perf packer and to wed by 200 g | n 1882' & fraced v ag bottom al. 15% H | w/66,000 g @ 1976'. Cl & flush | Pull packer w/ 750 SCF |
| STIMULATION: WORKOVER HISTORY: 1983 1989 | (1983) 1875'; 8: (1950) Open Ho (1983) 70,000# TIH w/2 3/8" tub TOH w/workstrin and 70,000# 20/ Found scale on back to 1860' & nitrogen @ 1100 tubing and lands | ole Shot w/210 20/40 sand & oing and tag @ ng. Run 3 1/2" /40 sand. Clea tubing (soluble pump 16,000 soluble pump 16,000 soluble pump 16,000 soluble pump 16,000 soluble | qts. SNG 66,000 ga 1889'. C casing & n out and in 15% H | irculate ho cement w land 1 1/4 Cl). RIH v gen @ 200 nosphere : | ole w/foam and clean out old 1/144 cf cement. TOC @ 80 1" tubing @ 1913'. w/ 1 1/4" (61 jts.) tubing and 00 SCFPM @ 1200 psi, follo | shot hole fron 0' (TS). Perf packer and ta wed by 200 g Release pack | n 1882' & fraced v ag bottom al. 15% H | w/66,000 g @ 1976'. Cl & flush | Pull packer w/ 750 SCF |
| STIMULATION: WORKOVER HISTORY: 1983 | (1983) 1875'; 8: (1950) Open Ho (1983) 70,000# TIH w/2 3/8" tub TOH w/workstrin and 70,000# 20/ Found scale on back to 1860' & nitrogen @ 1100 tubing and lande | ole Shot w/210 20/40 sand & oing and tag @ ng. Run 3 1/2" /40 sand. Clea tubing (soluble pump 16,000 s 0 psi. Open tul ed @ 1929' | qts. SNG 66,000 ga 1889'. C casing & n out and in 15% H | irculate ho cement w land 1 1/4 Cl). RIH v gen @ 200 nosphere : | ole w/foam and clean out old 1/144 cf cement. TOC @ 80 1" tubing @ 1913'. w/ 1 1/4" (61 jts.) tubing and 00 SCFPM @ 1200 psi, follow and blew down in 1 minute. | shot hole from 0' (TS). Perf packer and ta wed by 200 g Release pack | n 1882' & fraced v ag bottom al. 15% H ker and Po | w/66,000 g @ 1976'. ICI & flush DOH. Ran | Pull packer w/ 750 SCF |

Angel Peak B #14

CURRENT -- 5/10/95

Fulcher Kutz Pictured Cliffs DPNO 32137A

TD 2009

1650' FNL, 1650' FEL, Section 13, T-28-N, R-11-W, San Juan County, NM

Spud: 4-3-50

Completed: 4-20-50

8 5/8" 28#, Csq set @ 102' Circ 25 sxs cmt to surface TOC @ 800' (TS) 1 1/4", 2.4#, J-55,set @ 1929' TOC @ 1500' (Est 75% effic) 5 1/2", 14#, J55 Csg set @ 1882', Cmt w/75 sx cmt to 1500' (Est. 75% effic) Perfs @ 1875', 83', 87', 91', 95', 99', 1903', 07', 11', 15', 19', 23', 27', 31', & 35' (Total of 15 shots) 3 1/2", 10.3#, L75 Csg set @ 2009' Cmt w/144 cf cmt to 800' (TS)

Ojo Alamo @ 1138'

Kirtland @ 1198'

Fruitland @ 1608'

Pictured Cliffs @ 1877'

Original Completion – Open Hole from 1882' – 1969'