

5 - USGS

1 - Flag-Redfern

1 - File

Form 9-331
Dec. 1973Form Approved.
Budget Bureau No. 42-R1424UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

SUNDRY NOTICES AND REPORTS ON WELLS

(Do not use this form for proposals to drill or to deepen or plug back to a different reservoir. Use Form 9-331-C for such proposals.)

1. oil ☐ gas ☐ other ☐
well well2. NAME OF OPERATOR
Flag-Redfern Oil Co.3. ADDRESS OF OPERATOR
P O Box 208, Farmington, NM 874014. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: 850' FNL - 870' FWL
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

16. CHECK APPROPRIATE BOX TO INDICATE NATURE OF NOTICE, REPORT, OR OTHER DATA

REQUEST FOR APPROVAL TO:

SUBSEQUENT REPORT OF:

TEST WATER SHUT-OFF ☐
FRACTURE TREAT ☐
SHOOT OR ACIDIZE ☐
REPAIR WELL ☐
PULL OR ALTER CASING ☐
MULTIPLE COMPLETE ☐
CHANGE ZONES ☐
ABANDON* ☐
(other) ☐☐
☐
☐
☐
☐
☐
☐
☐
☐5. LEASE
NM 013365

6. IF INDIAN, ALLOTTEE OR TRIBE NAME

7. UNIT AGREEMENT NAME

8. FARM OR LEASE NAME
Aloha9. WELL NO.
#210. FIELD OR WILDCAT NAME
Fulcher Kutz PC,
Pinon Fruitland11. SEC., T., R., M., OR BLK. AND SURVEY OR AREA
Sec 16 T28N R11W12. COUNTY OR PARISH
San Juan13. STATE
NM

14. API NO.

15. ELEVATIONS (SHOW DF, KDB, AND WD)
5578'

(NOTE: Report results of multiple completion or zone change on Form 9-330.)

17. DESCRIBE PROPOSED OR COMPLETED OPERATIONS (Clearly state all pertinent details, and give pertinent dates, including estimated date of starting any proposed work. If well is directionally drilled, give subsurface locations and measured and true vertical depths for all markers and zones pertinent to this work)*

See attached sheets, 11-25 thru 12-1-80 for completion.

Subsurface Safety Valve: Manu. and Type

Set @ _____ Ft.

18. I hereby certify that the foregoing is true and correct

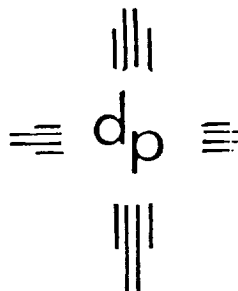
SIGNED Thomas A. Dugan TITLE AgentDATE 12-2-80

(This space for Federal or State office use)

APPROVED BY _____ TITLE _____ DATE _____
CONDITIONS OF APPROVAL, IF ANY:

BW

NM00001



dugan production corp.

FLAG-REDFERN OIL CO.
Aloha #2
850 FNL - 870' FWL
Sec 16 T 28N R11W
San Juan County, NM

MORNING REPORT

- 11-13-80 Moved in and rigged up Morrow Drlg. Co. rig. Spudded 8-3/4" hole at 9:30 a.m. 11-12-80. Drilled 126'. Ran 3 jts. 7" O.D. 23#, 8R, ST&C, "B" Cond csg. T.E. 123.15 set at 125' G.L. Cemented w/ 60 sx class "B". P.O.B. at 3:00 p.m. 11-12-80. Good cement to surface. W.O.C.
- 11-14-80 Repairing hydraulic pump on rig. Well kicked at 500'. Mixed gel and starch. Well is now completely under control. No mud properties available.
- 11-15-80 Drlg. 1100' Wt. 10. Vis 48 Ph 9.5 Wt. 8
No trouble with gas kick on last trip.
- 11-16-80 1400' - Drlg. W.t 10.1 Vis 45
- 11-17-80 T.D. 1740' Ran I.E.S. log by Welex. Now prep to run 2-7/8" tbg. for csg.
- 11-18-80 T.I.H. w/ drill pipe. Circ. hole 1 hr. Laid down drill pipe; rigged up and ran 60 jts 2-7/8" O.D., 6.4#, 10 Rd., NEUE tbg for csg. T.E. 1741.47' set @ 1740' G.L. Cemented w/ 90 sx 2% Lodense followed by 75 sx class "B" neat. Reciprocated pipe OK while cementing. Good returns while cementing. Trace of contaminated cement to surface. P.O.B. @ 3:30 p.m., 11-17-80.
- 11-25-80 Rigged up FWS swabbing unit and Southwest Surveys. Swabbed well down to 1200'. Ran GR/CLL from PBTD 1713' to 1000'. Note: All depths are set back to open hole IES log. Perf zone 1582'-1588', 6', 1 SPF, .43" diam. hole, 6 holes w/ 2-1/8" bi-wire glass jet gun. Perf 1350'-1357', 7', 1 SPF, .43" diam hole, 7 holes, w/ 2-1/8 bi-wire glass jet gun. Swabbed well 3 times. Small amount of gas flowing, no liquid entry apparent.

- 11-28-80 Rigged up FWS. Ran Baker model D packer in tension on 43 jts of 1½", 10R, EUE new tubing. T.E. 1399.42' set @ 1398 GL. Small amount of gas flowing up tubing, annulus dead. Rigged up Cementers, Inc. Pumped 150 gals of 15% HCL w/ inhibitor and displaced w/ 3.8 bbls of water. Breakdown pressure 1400 psi. Acid placed @ 3/4 BPM @ 850 psi. ISDP 200. No indications of communications w/ annulus. Pumped 150 gals of 15% HCL w/ inhibitor and displaced w/ 4.5 bbls of water. Breakdown pressure 1600 psi. Acid placed @ 3/4 BPM @ 1100 psi. ISDP 625 psi. Shut annulus in 15 min.-pressure 600 psi. Well flowing back on annulus.
- 11-29-80 Pulled 43 jts of 1½", 10 R, EUE tubing and Baker model D packer. Well unloading while pulling tubing. Swabbing well.
- 12-1-80 Rigged up the Western Co. and foam fraced the P.C. and Fruitland formations (1582-1588 & 1350-1356) w/ 70% quality foam. Pressure tested lines to 3500 psi. Placed 4000 gal pad of 70% quality foam ahead of 5000 gal of 70% quality foam w/ 1 ppg of 10-20 sand, followed by 7500 gals of 70% quality foam w/ 2ppg of 10-20 sand. Placed 2000 gal of 70% quality foam pad and dropped 10 balls (7/8" diam., 1.3 sg) followed by 7500 gals of 70% quality foam w/ 2 ppg of 10-20 sand. Displaced w/ 340 gals of 70% quality foam. ISDP 1000 psi; 15 min. shut-in 900 psi. Maximum pressure 1825 psi, minimum pressure 1600 psi, average pressure 1700 psi. No ball action noted. IR 15 BPM. Materials used: 200,250 SCF of N₂; 35,000# 10-20 sand, 189 bbl of water, 42 gals adafoam, 95 HHP, 6 balls (7/8" diam., 1.3sg). Well opened to atmosphere thru 3/4" choke 2 hrs after treating.