

UNITED 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 ☒ well gas ☐ well other

2. NAME OF OPERATOR
Chace Oil Company, Inc.

3. ADDRESS OF OPERATOR
313 Washington, SE Albuquerque, N.M. 87108

4. LOCATION OF WELL (REPORT LOCATION CLEARLY. See space 17 below.)
AT SURFACE: Unit "C" 660' NL + 1650' NL.
AT TOP PROD. INTERVAL:
AT TOTAL DEPTH:

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

REQUEST FOR APPROVAL TO:

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

SUBSEQUENT REPORT OF:

☐
☒
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WELL HISTORY - CASING RPT.

RECEIVED

(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.)*

Top OJO ALAMO - 2332' - sd-WET
SEE ATTACHED WELL REPORT.



Subsurface Safety Valve: Manu. and Type _____ Set @ _____ Ft.

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

SIGNED Royce W. Cary TITLE President DATE 8/3/81
(This space for Federal or State office use)

APPROVED BY _____
CONDITIONS OF APPROVAL, IF ANY:

TITLE _____

DATE REPTED FOR RECORD

CHACE OIL COMPANY, INC.

313 Washington S.E.
Albuquerque, New Mexico 87108
(505) 236-5562

WELL HISTORY

NAME OF WELL: JICARILLA 70-10

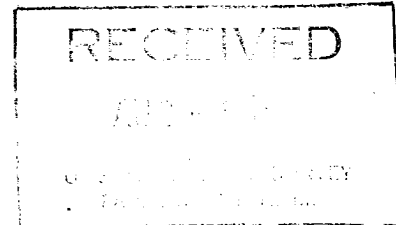
LOCATION: Unit ^C 660' NL & ^{1650' WL} 660' ~~21~~, Section 34, T24N, R4W,
Rio Arriba County, New Mexico.

ELEVATION: 6991'

LEASE: Jicarilla 70

EXPECTED FORMATION TOPS:

Pictured Cliffs	2795'	
Chacra	3255'	
Cliff House	4480'	
Point Lookout	5150'	
Gallup (LCM)	6110'	Base 6350'
Greenhorn	7040'	
Ganeros	7120'	
Dakota "A"	7140'	
Dakota "B"	7245'	
Dakota "C"	7275'	
Dakota "D"	7313'	
Burro Canyon	7380'	
T D	7500'	



- 4/20/81 M Construction prepared location and road.
- 4/25/81 Mote set deadmen
- 4/30/81 Young Bros. moved in Rig, Rigged up. Drilled rat and mouse hole. Drilled 220' of 9 5/8" hole and ran 5 joints.
- 4/30/81 Ran 5 joints 8 5/8" (214'), casing 208.59, set 220.59 K.B., cement with 150 sacks of class B with 2% calcium chloride, Plugged down 5:00 p.m.
- 5/2/81 Vis. 38, Depth 2544', WL 4, Activity at report time, tripping for bit, Deviation survey 1° at 1536', MW 9.2, deviation survey 1° at 230, Oil 8%, Rotating hours 20, trip in hole 3 1/2, rig service 1/2.
- 5/03/81 Depth 3675', Activity at report time - tripping for bit, Deviation Survey 1° at 2544', Vis. 32, MW 9.1, WL 4.4, Rotating hours 19, service rig 1/2, Repair rig 1/2, trip 4 1/2.
- 5/4/81 Depth 4292', Vis. 38, MW 9.1, WL 5, Activity at report time - drilling, rotating hours 19 1/2, deviation survey - 1° at 3679, Oil 10%, Trip in hole 3 3/4, rig service 3/4.
- 5/05/81 Depth 4876', Vis. 38, MW 9, WL 4.5, Activity at report time - drilling ahead, Deviation Survey 1° at 4310', Rig service 1/2, Oil 10%, Trip in hole 4 1/2, rotating hrs.-19.
- 5/06/81 Depth 5594', Activity at report time - drilling, Vis. 38, MW 9, WL 5, Oil 10%, Rotating hours 23 1/2, Rig service 3/4.
- 5/07/81 Depth 6006', Activity at report time - drilling, MW 9, Vis. 38, WL 4.5, Oil 9%, rotating hours 16 3/4, rig service 1/2, Slope test 5956' at 1°.
- 5/08/81 Depth 6430', Activity at report time - drilling, MW 9.1, Vis. 38, WL 4, Oil 10%, Rotating hours 23 1/2, service rig 1/2 hr.
- 5/09/81 Depth 6960', MW 9, Vis. 36, WL 5cc's, Oil 9%, preparing TCOH to change bit.
- 5/10/81 Depth 7130', Made trip in hole, Vis. 36, WL 6cc's, MW 9.1, Oil 10%.
- 5/11/81 Depth 7375', Vis. 59, MW 9.1, WL 6%, Oil 8%, Rig service 1/2, Activity at report time - logging, Deviation Survey, 1° at 7376', Trip in hole 4 1/2 hrs., rotating hours 14 1/2, logging 4 3/4 hrs., reached TD 7376', circulated 4 hrs., made short trip, well in good condition, coming out of hole to log, Commercial logging at 3:00 a.m., ran IES and density logs. WIHWDP came out laying down, preparing to run 4 1/2" casing and cement.



- 5/12/81 Ran 178 joints 11-20' short joints (7368') of 4 1/2" - 10.5" casing, shoe at 7368', float collar @7325' D.V. tool at 2913', cement baskets at 6914', 6267', 5946', and 2523', short joint @5946', pumped in 1000 gal. mud flush and cemented with 730 sxs 50-50 posmix, 2% gel, 6% salt & 6% gilsonite per sack. Plug down 2:39 a.m., Opened D.V. tool, circulated 3 hours, pumped 1000 gals mud flush, cemented with 300 sxs of 65-35 posmix, 12% gel, and 6% of gilsinite per sack followed by 50 sacks of Class B cement. Plug down at 6:51 a.m. Second stage cement estimated to have come to 1000' below surface. Dismissed rig WOCT.
- 6/03/81 Moved Big A completion rig to well. Drilled out D.V. tool, cleaned out hole to TD, and tested csq. to 4000 psig. Spotted 250 gals acetic acid over perfs. Perforated from 7186'-7210', 1 shot per foot, broke down formation @1900 psig. Pumped in 28 Bbls. treated water and acid @6.3 bbls PM, @1500 psig. Balled off with 36 balls. Flushed balls off. Frac'd with 85,000 20-40 sd, and 52000 gallons gel water and stabilizers etc. ISIP=1800 psig - SIP after 15 min. 1400 psig avg. inj. rate 36.5 BPM, Avg pressure 2900 psig. Set bridge plug 7150'. Perforated Dakota "A" and Greenhorn sand from 6934'-37', 6952'-55', 6964'-68', 6975'-78', and 7022'-7044', Broke down formation @3200 psig, pumped in 31 bbls acid and treated water - Balled off perfs with 40 bbls. Flushed balls off perfs. and frac'd with 105,000 20-40 sd and 70,000 gals of gel water and clay stabilizers. Avg treating pressure 3300 psig. Avg rate 52 BPM ISIP 2000 psig after 15 min. 1800 psig. Went in and set bridge plug @6350'. Perforated 6018'-22'. 6074'-78', 6112'-16', and 6184'-6200', Pressured up to break down formation - 4200 psig - no give - WIHWT and spotted acid over perfs. Waited 30 min. pressured up to 4200 psig - no give - had Blue Jet come back and reperforate zones with 3 1/2" glass jet bullets. Pressured up - still no fracture - will abandon Gallup formation. Will move tanks and fluid to 70-8 well.
- 6/5/81 Rigging up to go in hole to drill out plugs. Started drilling out. First plug at 6350', drilled out 9:00 p.m., Continued drilling on second plug. Started out of hole to check bit.
- 6/6/81 Bit on derrick floor less three cones. Called for Magnet and junk basket. Ran Magnet 9 times, was not successful. Went in hole with new bit - lost 2 cones off new bit. Ran Magnet and junk basket - not much - went back in with mill to mill out.
- 6/7/81 Sunday shut down.
- 6/8/81 Continued milling on junk - drilled out 2:00 p.m., coming out of hole with bit to run tubing.
- 6/9/81 Tubing landed at 7283' - rigging down completion rig to move to 70-8. Moving in swabbing rig to swab well.