

BY



CHACE OIL COMPANY, INC.

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WELL HISTORY

NAME OF WELL: Jicarilla Apache 71-9

LOCATION: Unit "A" - 550' FNL and 330' FEL
Section 10, T23N, R4W
Rio Arriba County, New Mexico

PROJECTED DEPTH: 7655'

ELEVATION: 7406' GL

ESTIMATED
FORMATION TOPS:

Ojo	2650'
Pictured Cliffs	3130'
Chacra	3490'
Cliff House	4705'
Point Lookout	5215'
Gallup	6330'
Greenhorn	7235'
Dakota "A"	7375'
Dakota "D"	7505'
Burro Canyon	7600'

3-30-82:

APD submitted.

6-16-82:

APD approved.

8-6-82:

Road and pad construction commenced.

8-24-82:

Moved in and rigged up Arapahoe Drilling Company. Spudded at 4:00 P. M. on August 24, 1982. Ran 5 joints of 8 5/8" 23# K-55 casing. 201' set at 214'. Woodco cemented with 240 sxs*Class B cement, with 1/4# Flocele, 3% Kcl per sack. Circulated 5 barrels of cement to surface. Plugged down at 7:45 P. M. on August 24, 1982.

* 432 CF

8-25-82:

Day #1. Operation: WOC. Nipple up. Depth today: 213'. Surface.

Rotary RPM 70. Weight on bit: 15,000#. Present drilling rate: 0.
Pump - Liner size: 5½. Pressure: 800#. 60 strokes per minute. Spud
mud. Mud additives: 25 gel, 1 lime. Deviation record: 1/2 degree at
213'. Bit #1, 12¼, OSC-3. 213', 2 hours.

1 hour Rig idle
8 hours Rig down. Move. Rig up.
1 hour Drill rat and mousehole.
2 hours Drill surface
1/4 hour Circulate
1/2 hour Survey. Trip out.
1/2 hour Run 8 5/8" casing.
1/2 hour Cement with Woodco.
10 1/4 hours WOC. Nipple up.

8-26-82:

Day #2. Present operation: drilling. Depth today: 1853'. 24 hour footage
1640'. Formation: sand and shale. Rotary RPM: 65. Weight on bit:
35,000#. Present drilling rate: 60' per hour. Pump - Liner size: 5½.
Pressure: 1,000#. 60 strokes per minute. Mud vis: 38. Wt.: 8.8.
W. L.: 6.0. Mud additives: 11 bnex, 10 starch, 1 caustic soda, 1 soda
ash, 10 gel, 30 bbls oil. Deviation record: 1/2 degree at 800';
3/4 degree at 1296'; 3/4 degree at 1789'. Bit #2, 7 7/8", J-22.
1640', 21 hours.

1 3/4 hours WOC. Nipple up.
1/4 hours Drill plug and cement.
1/4 hours RS. BOP.
3/4 hours Surveys
21 hours Drilling

8-27-82:

Day #3. Present operation: drilling. Depth today: 3055'. 24 hour footage
1202'. Formation: sand and shale. Rotary RPM: 65. Weight on bit: 35,000#.
Present drilling rate: 45' per hour. Pump - Liner size: 5½. Pressure:
1,000#. 56 strokes per minute. Mud vis: 34. Wt.: 8.8. W. L.: 7.6.
Mud additives: 5 thinner, 9 bnex, 1 caustic soda, 5 preservatives, 6
starch, 2 1/2 soda ash, 20 bbls. oil. Deviation record: 1 3/4 degree @
2004'; 1 1/2 degrees @ 2500'; and 1 1/2 degrees at 3024'. Bit #2, 7 7/8",
J22. 1791', 23 ¼ hours. Bit #3, 7 7/8", F2. 1051', 18 1/4 hours.

2 1/2 hours - Trip - Surveys
1 hour - RS
20 1/2 hours - Drilling

8-28-82:

Day #4. Present operation: drilling. Depth today: 3830'. 24 hour footage
is 775'. Formation: sand and shale. Rotary RPM: 65. Weight on bit:
35,000#. Present drilling rate: 35' per hour. Pump - liner size: 5 1/2".
Pressure: 1,000#. 58 strokes per minute. Mud vis: 42. Wt.: 9.0. W. L.:
8.0. Mud additives: 30 LCM, 4 thinner, 3 soda ash, 6 starch, 6 bnex,
1 caustic soda, 1 preservative, 41 gel, 30 bbls. oil. Deviation record:
1 1/2 degrees at 3644'. Bit #3, 7 7/8", F-2. 1640', 30 hours. Bit #4,
7 7/8", F-2, 186', 5 1/2 hours.

1/4 hour - RS
4 1/2 hours - trip for bit. 2 hours - Pull 5 stds. Circ. to build volume.
17 1/4 hours - drilling.