

Well: Jicarilla Apache 47-26

CHACE OIL COMPANY, INC.

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313 Washington S.E.
Albuquerque, New Mexico 87108

Date: 10/12/86

Day # 4 Present operation: drilling Depth today: 4151'

24 hour footage: 1500' Formation: sand and shale

Drill Collars: No: 19 Size: 6 1/4 Weight: 45,000# Bore: 2 1/4"

Rotary: RPM: 64 Weight on bit: 10,000# Present drilling rate: 60'/hour

Pump: Liner size: 5 1/2" Pressure: 1,300# Strokes per minute: 62

Mud: Vis: 35 Wt.: 9.0 W. L.: 8.0 2/32 cake; PH = 9.

Mud additives last 24 hours: 46 gel, 1 caustic soda, 1 soda ash, 1 thinner.
12 LCM, 5 gal. preservatives, 20 bbls. oil

Deviation survey: 2° @ 3150'; 1 1/2° @ 3656'

Bit: #3: 7 7/8", RPL9B; 1500', 22 1/2 hours

Break down:	<u>22 3/4 hours</u>	<u>drilling</u>
	<u>1/4 hour</u>	<u>rig service</u>
	<u>1 hour</u>	<u>surveys</u>

Date: 10/13/86

Day #: 5 Present operation: drilling Depth today: 5178'

24 hour footage: 1,027' Formation: sand and shale

Drill Collars: No: 19 Size: 6 1/8" Weight: 45,000# Bore: 2 1/4"

Rotary: RPM: 64 Weight on bit: 10,000# Present drilling rate: 50'/hour

Pump: Liner size: 5 1/2" Pressure: 1,250 Strokes per minute: 60

Mud: Vis: 38 Wt.: 9.1 W. L.: 6.0 Cake: 2/32 PH: 9.5

Mud additives last 24 hours: 25 gel, 3 1/2 thinner, 1 caustic soda,
2 1/2 soda ash, 2 starch, 5 gal. preservatives, 20 bbls. oil

Deviation survey: 1 1/4° @ 4154'; 1 1/4° @ 4653'

Bit: #3: 7 7/8", RPL9B; 2527', 44 3/4 hours

Break down:	<u>22 1/2 hours</u>	<u>drilling</u>
	<u>1/4 hour</u>	<u>rig service</u>
	<u>1 1/4 hours</u>	<u>surveys</u>

Date: 10/14/86

Day #: 6 Present operation: drilling Depth today: 5627'

24 hour footage: 449' Formation: sand and shale

Drill Collars: No: 19 Size: 6 1/4 Weight: 45,000 Bore: 2 1/4

Rotary: RPM: 64 Weight on bit: 10,000 Present drilling rate: 60'/hour

Pump: Liner size: 5 1/2" Pressure: 1,250 Strokes per minute: 60

Mud: Vis: 40 Wt.: 9.1 W. L.: 6.0

Mud additives last 24 hours: 50 gel, 9 starch, 3 soda ash, 8 LCM, 30 bbls oil

Deviation survey: 1 1/4° @ 5089'; 1 1/2° @ 5206'; 1 3/4° @ 5422'

Bit: #3: 7 7/8", RPL9B; 2555', 46 3/4 hours - #4: 7 7/8", V527; 216', 8 1/4 hours
#5: 7 7/8", RPL9B; 205', 4 1/4 hours

Breakdown:	<u>14 hours</u>	<u>drilling</u>
	<u>9 1/2 hours</u>	<u>trips</u>
	<u>1/2 hour</u>	<u>wash to bottom</u>

NOTE: Bit #3 hit a sand stringer, and it stopped it. Ran a 3 cone bit; made 216' getting through the stringer. Bit #5 is a new drag bit.