

BAILEY #1-35 (BARREL SPRINGS)

5200' MORROW

RECEIVED

SEP 17 1975



00655217

OPERATOR: MICH WIS

LOCATION: NWNW SEC 35 T25S R45W PROWERS COUNTY, COLORADO

660' FWL 660' FNL GL 4048' KB 4056'

CONTRACTOR: MURFIN DRILLING CO.

8-26-75 RIGGING UP. SHOULD SPUD TODAY.

8-27-75 380' PTD. SPUD AT 1:30 PM ON 8-26-75.

ACTIVITY: WAITING ON CEMENT. RAN 365' 8-5/8" CASING.

300 SX COMMON CEMENT, 3 PER CENT CALCIUM.

PLUG DOWN AT 11:45 PM ON 8-26-75.

8-28-75 1115' PTD. 2 DFS. 735' / MADE LAST 24 HRS.

ACTIVITY: DRILLING WITH WATER IN THE RED BED FORMATION.

8-29-75 1970' PTD. 3 DFS. 855' / MADE LAST 24 HRS.

DRILLING 24 HRS.

TOTAL COST TO DATE: \$18,529.

8-30-75 2610' PTD. 4 DFS. 640' / LAST 24 HRS.

ACTIVITY: DRILLING.

INTANGIBLE DRILLING COST: \$4,160.

TOTAL COST TO DATE: \$22,689.

8-31-75 3160' PTD. 5 DFS. 550' / LAST 24 HRS.

ACTIVITY: DRILLING.

INTANGIBLE DRILLING COST : \$3,575.

TOTAL COST TO DATE: \$26,264.

9-1-75 3560' PTD. 6 DFS. 400' LAST 24 HRS.

ACTIVITY: DRILLING.

MW 9.5#. VIS 34. WL N.C.

INTANGIBLE DRILLING COST : \$3,152.

TOTAL COST TO DATE: \$29,416.

9-2-75 3845' PTD. 7 DFS. 285' / LAST 24 HRS.

ACTIVITY: DRILLING.

MW 9.2#. VIS 33. WL N.C.

NTNAGIBLE DRILLING COST: \$2,221.

TOTAL COST TO DATE: \$31,637.

9-3-75 4095' PTD. 8 DFS. 250' LAST 24 HRS.

ACTIVITY: DRILLING. MW 9.2#. VIS 38. WL 12.0.

NTANGIBLE DRILLING COST: \$1,977.00

TOTAL COST TO DATE: \$33,614.

9-4-75 4375' PTD. 9 DFS. 280' MADE LAST 24 HRS.

ACTIVITY: DRILLING. IN SHALE AND LIME. LOST EST 100 FEET.

TYPE OF MUD: GEL CHEM. MW 9.1#. VIS 43. WL 9.2.

NTANGIBLE DRILLING COST: \$2,690.00

TOTAL COST TO DATE: \$36,304.00.

9-5-75: DEPTH: 4630'
DAYS FROM SPUD 10
FOOTAGE LAST 24 HOURS: 255
ACTIVITY AT REPORT TIME: DRILLING

MUD WT.: 9.1

VIS. 43

API WL: 9.6

TOTAL COST: 38,549



Depth: 4821

Days From Spud: 11

Footage Last 24 Hours: 191

Activity At Report Time: Trips out to PU core

9/6/75 barrel.

Description Daily Activity: Made trip for jund basket
@ 4820



Mud Weight: 9.0

Vis. 43

Bailey Cont'd

API WL: 9.2

Bit No.: 3;4

MFG: S;H

Type: F3;OWV

Depth Out: 4820; 4821

Feet: 2665; 1

Hours: 163-1/4

Depth: 4820

Angle: 1/6

Trips: 5

Drilling: 14-1/2

Circ. & Cond. Mud.: 3-3/4

Rig Maint.: 1/2

Clear Pib: 1/4

Mud Cost: Daily \$268

Cum: \$2998

Intang: 2188

Total Cost: \$40,737

9/7/75 POH. Coreing time 12-14 minutes/foot.

Type Mud: gel-chem

Mud Weight: 9.1

Vis. 50

API WL.: 8.4

Trips: 10-3/4

Circ. & Cond. Mud: 1/4

Rig Maint. 1/4

Cores: 12-3/4

Mud Cost: Daily: -0-

Cum: 2998

Intang 2410

Total Cost: \$43,147

Depth: 4874

Days From Spud: 12

Footage Last 24 Hours: 54

Activity At Report Time: Coring

Description Daily Activity: Cored 4821-4840 plugged bbls.

Bailey #1-35 (Barrel Springs) 5200' Morrow

OPERATOR: Mich Wis

LOCATION: NW NW Sec 35 T25S R45W Prowers County, Colorado

Depth: 4886

Days From Spud: 13

Footage Last 24 Hours: 11

9/8/75 Description Daily Activity: Core 2" 4821-85
(64')

DST #1: 4863-86

Type Mud: Gel-Chem.

Mud Weight: 9.1

Vis/ 55

API. Wl. 8.6

Reaming & Washing: 1-3/4

Trips: 5

Controlling Pressure: 7

Logging, Tstg, Perf, Cores : 2-1/2

Drill Stem Test: 7-1/2

Intang: 5760

Total Cost: \$48,907



Bailey #1-35 (Barrle Springs) 5200' Morrow

OPERATOR: Mich Wis

LOCATION: NW NW Sec 35 T25S R45W Prowers County, Colorado

Depth: 5105

Days From Spud: 14

Footage Last 24 Hours: 220

Activity at Report Time; Drilling

Description Daily Activity: DST #1 4863-86. Upper Morrow
Sand IF 30 minutes. Very weak Blow. ISI 60 minutes

FF 60 munites. No blow. FSI 90 minutes. Recovered 30'
drilling mud. MFE sample 2200 cc mud. No gas bubbles.

Unsuccessful test.

Hours: Drilling-14½

Rig Maint.-3/4

Drill Stem Test-9.

Type Mud: gel

Mud WT: 9.2; Vis: 50; API WL: 8.0

Bit #5; Size: 7-7/8; MFG.: H; Type: F-33

Depth Out: 0; Feet: 222

Intang.: 2128

Total Cost: \$51,035.

9/9/75

Dailey #1-33 (Barrel Springs) 5200' Morrow

9/10/75

OPERATOR: Mich Wis

LOCATION: NW NW Sec 35 T25S R45W Prowers County, Colorado

Depth: 5250

Days from Spud: 15

Footage last 24 hours: 145

Activity: lagging

Description Daily Activity:

Preliminary Core Analysis Via W.J. Pearson:

Sample#	Depth	Porosity	Saturation
1	4861/2	5.6	So: 0 SW: 96.0
2	62/62.5	4.7	0 95.7
3	62.5/63	3.6	0 96.6
4	63/64	3.7	0 92.6
5	64/65	6.2	tr 92.5
6	65/66	7.2	tr 97.7
7	66/67	5.0	0 97.4
		5.14%	95.5

Perm.

Horiz. Vert.

1 0.1 0.1
2 0.1 0.1
3 0.1 0.1
4 0.1 0.1
5 0.1 0.1
6 0.1 0.1
7 0.1 0.1

Preliminary Core Analysis: 4861-67

Permeability--0.1 md

Over Porosity--5.1

SW--95.5%

SO--Trace in bottom 2'

distribution of hrs.: Drilling: 14-1/4

Trips: 3-1/2

Circ. & Cond. Mud: 3-1/2

Dailey #1-35 cont'd

9/10/75

Logging: 2-1/2

Clean Pits: 2

Mud Wt.: 9.2; Vis: 6.0; API WL: 7.8

Type Mud: gel chem

Bit #5; Size: 7/8; MFG.: 4; Type: J33

Intang. Cost: 3580

Total Cost: \$54,615.

Mud Cost: Daily-700; Cum.-3698

OPERATOR: Mich Wis

LOCATION: NW NW Sec 35 T25S R45W Prowers County, Colorado

Depth: 5250

Days From Spud: 16

Activity at Report Time: WOO

Description Daily Activity: First log run stopped at 4986. Would not spud through bridge POH with logs. GIH with bit wash to TD and cond. mud. Ran DILL-SP, CNL-FDC-GR, Dipmeter. Finished logging lam. DTD 5250. LTD 5236

Log tops: Morrow 4818 (-760)

Upper Morrow Sd: 4854(-769)

Base Morrow Sd: 4860

Hours: Wire line logging, tstg, Perf., Cores: 17

Wait on Order: 7

Intangible Cost: 10660

Total Cost: \$65,275

Bailey #1-35 (Barrel Springs) 5200' Morrow 9/12/75

OPERATOR: Mich Wis

LOCATION: NW NW Sec 35 T25S R45W Prowers County, Colorado

Depth: 5250; Days from spud: 18; Footage/ 24 hrs: 0

Activity at report time: Wait on cement.

Description Daily Activity: GOH open-ended to plug back,

Spot plugs as follows. 25 sx at 5200'. 25 sx at 4800'

100 sx at 3650'. Class H cement with 3% CaCl_2 and 3/4%

CFR₂. POH lay down 50 jts. WOC

Hours: Trips-4-1/2; Circ. & Cond.-4-1/4; Cementing-1-1/2

Lay down drill-3; Wait on orders-10-3/4

Mud Cost: 284; cum: 3982

Drilling Cost-Intang: 3944

Total Cost: \$69,219.

Bailey #1-35 (Barrel Springs) 5200' Morrow

OPERATOR: Mich Wis

9/14/75

LOCATION: NW NW Sec 35 T25S R45W Prowers County, Colorado

Drilling Supervisor: Curtis F. Clark

Depth: 5250; Days from spud: 20; Activity: RDMO Rotary Rig.

Description : DST #2 3378-3461 (83'). Topeka Foramtion.

IH 1737 psi

ID 30 min. 70/245 psi. Stong blow NO GTS

ISI 60 min 793 psi

FF 60 min 255 psi Stong blow NO GTS

FSI 90 min 793 psi

FHP 1588 psi

BHT 110 degrees

Drill string recovery 720 degrees muddy water.

MFE sample chamber

0 psi 2050 cc Muddy water

CI-20,300 ppm

Res 0.804 ohms at 70degrees F

LD dc's. GIH opern ended. WO HOW CO. cement trucks. Set
cement plugs as follows:

9/14/75

Bailey cont'd

50 sx at 3160

35 sx at 420

15 sx at GL.

Rig released at 12:30 am

9-14-75 Final Report

Total Cost: \$75,353.

9/13/75

Depth: 5250; Days from spud: 19; Activity: DST #2

Description: WOC. GIH with bit and 14-dcs. Break circ. at
435', 2246', 3375'. Tag to cement at 3447. Washed out 12'
drilled out 2'. Circ. and cond mud. POH. PU DST tools GIH.

DST #2 3378-3461 (83)

Topeka Formation

Open tools at 6:30 am. IF 30 min. Strong blow (14")
NO GTS.

Total Cost: \$71,429

