

WELL HISTORY
OREGON NATURAL GAS DEVELOPMENT CORPORATION
OLNEY AREA

Patton #32-9 & Sidetrack #1

SW 1/4 NE 1/4 (2069 S & 1380 W of NE Corner)
Sec. 9, T 7 N - R 8 W, WB&M

By
Charles Stinson
Petroleum Engineer

c-wh

Patton #32-9 & ST
WELL DATA

Operator:
Oregon Natural Gas Development Corporation, Portland, Oregon

Well Name:
Patton #32-9

Location:
SW 1/4 NE 1/4 (2069' S & 1380' W of NE corner)
Section 9, T 7 N - R 8 W, WB&M
Clatsop County, Oregon

Spud:
6/9/82

Complete Drilling:
9/15/82

Elevation:
731' Ground, 752' KB

Status:
Plugged and abandoned

Total Depth:
Original Hole - 10,159'
Sidetrack Hole - 9,470'

Hole Specifications:
17-1/2" to 405'
12-1/4" to 2982'
8-3/4" to TD

Contractor:
ROVOR Drilling Co., Portland, Oregon, Rig #1

Company Geologist:
Barbara B. Portwood, ONGDC, Portland, Oregon
Vernon C. Newton, RG #E201, Hillsboro, Oregon (for Riedel International)

c-wh1

- 2 -

Well Site Supervisor:
Carl Armstrong

Type Mud:
Fresh water, lignosulfonate

Tool Pusher:
David Morris

Casing:
13-3/8", surface to 402', circulated to surface, 175 sx
9-5/8", surface to 2946', cemented with 350 sx
7", 2821' to 9385', cemented w/500 sx

Maximum Bottom Hole Temp:
110°F

Mud Company:
Magcobar-Dresser Industries, Inc., Houston, Texas

Mud Logging Company:
Western Geo-Engineers, Woodland, California. Britt Thomas, John Kolarik, Roy Butler, loggers.

Logging:
Schlumberger Well Logging Service Co., Woodland, California

Logs:	402' - 2975'	2946' - 9045'	9045' - 10,015'
DIL	DIL	DIL	
Sonic	Sonic	Sonic	
Dip	CNL/FDC	CNL/FDC	
Sidewalls	Cyberlook	Dip	
	RFT		

c-wh2

OREGON NATURAL GAS DEVELOPMENT CORPORATION
Patton #32-9 & Sidetrack #1
Well History

Date	Depth	Event
June, 1982		
3		ROVOR Drilling Company move in Rig #1 and rig up.
9	164'	Spud in w/17-1/2" bit at 12:30 a.m.
10	405'	Clay and sand. Ran 10 jts (403.3') of 13-3/8", 54.5#, K-55 new casing w/ float shoe at 402' and centralizers at 360', 320', and 120'. Cemented around shoe w/375 sx Class G cement premixed w/3% CaCl ₂ . Good returns to surface.
11		Nipple up BOP equipment. Test satisfactory.
12	419'	Drilling w/ 12-1/4" bit in basalt and siltstone.
13	956'	Sand.
14	1585'	Siltstone & clay.
15	1926'	Siltstone & clay.
16	2188'	Volcanics, siltstone.
17	2436'	Basalt, siltstone, clay.
18	2687'	Siltstone, clay.
19	2958'	Sand, clay, siltstone. Ream @ 2300'.
20	2982'	Ran Schlumberger logs: DIL, Sonic, Dipmeter, and attempt sidewalls. No recovery. Ran 71 jts (2947') of 9-5/8", 36.0#, K-55 new casing w/ float collar @ 2903' and guide shoe @ 2946'. Cemented around shoe w/350 sx Class G cement premixed w/3% CaCl ₂ .
22	3011'	Drilling w/8-3/4" bit in clay, siltstone.
23	3237'	Basalt, siltstone
24	3403'	Basalt.

c-wh3

- 2 -

Date	Depth	Event
27	3823'	Basalt, sand. Stuck on bottom while making connection; jar loose.
28	4010'	Siltstone, clay. Ream 3870-3890'.
July, 1982		
1	4765'	Clay, siltstone, w/basalt stringer. Ream 4705-4737'.
2	4967'	Siltstone, clay.
4	5343'	Clay, siltstone.
7	5911'	Clay, siltstone. Swivel packing out; replace.
9	6205'	Volcanics, siltstone, clay.
10	6297'	Basalt, sand. Minor lost circulation (50 bbl to formation).
13	6814'	Siltstone, clay. Ream 6523-6553'.
17	7591'	Siltstone, clay. Lost 300 bbl mud through open sand trap door.
20	7953'	Siltstone, clay. 30' fill on trip, ream to bottom.
24	8581'	Siltstone, sand, clay. Ream bottom 30'.
28	9002'	Siltstone, clay, sand.
29	9045'	Ran Schlumberger logs 2945' to 9041'. DIL, Sonic, CNL/FDC, Dipmeter. Hole tight while logging. Made wiper run. Rerigged Schlumberger and ran Repeat Formation Tester.

August, 1982

1	9045'	Wait on orders, circulate.
3	9122'	Clay, siltstone, sand.
5	9264'	Siltstone, clay, sand.
7	9432'	Siltstone, clay, sand. Slight lost circulation to formation. Pump 65 sx lost circ. material.

c-wh4

- 3 -

Date	Depth	Event
9	9488'	Waiting on rig repairs (compound bearing).
11	9563'	Siltstone, clay.
12	9605'	Siltstone, clay. Slight lost circulation to formation (approx. 60 bbl.).
14	9728'	Clay, siltstone. Ream 50' to bottom.
16	10,015'	Siltstone, clay. POH for logs.
17	10,015'	Rigged Schlumberger and ran DIL, Sonic, CNL/FDC, Dipmeter.
19	10,132'	Clay, sand. Frothy mud.
20	10,159'	Condition hole for DST #1. Ran Lynes inflatable straddle packer, seats @ 9415' and 9440'. Set packer, open tool, medium to light blow for 1 hr. Shut-in for 1 hr. Attempt to release packer - no go.
21		Work jars. Back off safety joint. POH.
24, 25		Top of fish @ 9389'. RIH w/MFT washover pipe and circulate. Stuck while pulling out of hole @ 4250'. RIH w/ 8-3/4" bit and ream to 9388'.
26		Continue efforts to washover fish @ 9389'.
27-31		Abandon fishing efforts. Ream and condition hole.

September, 1982

1-3		Continue reaming operation to 9388'.
4		Condition hole and rig for running 7" casing.
5		Ran 165 jts (6561') of 7" casing as follows: 64 jts (2491.6') 29.0# N-80 55 jts (2212.0') 26.0# N-80 44 jts (1778.9') 26.0# K-55 2 jts (78.5') 29.0# N-80 Hung casing w/Baker double slip hanger @ 2818' in 9-5/8" casing. Baker two stage cement port collar @ 4205', float collar @ 9340', and guide shoe @ 9385' installed on a shopmade permanent whipstock (top of window @ 9369').

c-wh5

- 4 -

Date	Depth	Event
6		Pumped and attempted to displace 300 sx cement. Cement set before totally displaced. POH and rigged drilling assembly.
7		Drilling cement inside 7" casing to 4897'.
8-12		Drilling cement to 9330'.
13		Ran Halliburton RTTS on 3-1/2" DP to 4267', pump 500 sx Class G followed by 100 CF water and displaced.
15		Drill cement 9177' to 9358'. Cut shoulder and sidetrack fish w/6" bit.
16	9470'	Drill 6" hole.
17-18		Ran Baker Model R production packer w/perforated tubing tail. Set packer @ 9300' inside 7" casing. Swabbed tubing and observed fluid entry to about 2700'. Continued to swab, recovering gas cut mud. At 8200', swab tools became plugged with tarry substance. POH and recovered small amount of tarry material for analysis.
21		Pumped Plug #1, 30 sx @ 9040'. Run RTTS tool and WSO gun - Shot 4-1/2" holes @ 6460'. Set Halliburton EZ drill bridge plug @ 6427'. Pump 140 sx through EZ drill and displace. Tag EZ drill @ 6421'.
22		Set Halliburton EZ-SV @ 4210', pumped 500 sx cement w/2% CaCl ₂ and displaced.
23		Tag top of cement @ 4208', clean out cement and EZ-SV to 4269'. RIH to 6421'.
24		Ran Welex cement bond log. Very poor cement bond. Suspend operations with rig on location and wait on orders.

November, 1982

3		Hung DP w/2-7/8" tubing tail at 2890'. Pumped 100 sx Class G cement and displaced. Tagged top of plug @ 2595'.
4		Released rig.

c-wh6