

RECEIVED

AUG 6 1981

STATISTICAL WELL DATA

COLO. OIL & GAS CONS. COMM.

Operator: Burton/Hawks, Inc.
Lease: Lone Pine 16-2 State
Location: NW SE Sec. 16, T9N, R81W
Elevation: 8195 KB
8190 GR
Contractor: Denton Bros. Rig # 6
Pusher: Randall Lingenfelter
Mud Company: Western Mud
Engineer: Art Postashnick

Spud: 5/19/80, 10:30 AM
Conductor set 5/20/80, 2:30 AM (30' of 18" culvert)
Madexco Rig # 1 drilled 12 1/4" hole and set 10 3/4", 45.5# surface casing at
161' with 177 sx class G cement 5/07-08/81.
Denton Bros Drilling drilled out below surface casing 4:30 PM, 5/25/81.
Completed drilling 10:00 PM, 6/3/81.
Total Depth: 3772' Driller, 3740 Schl.

DVR	
FJP	
HHM	
JAM	✓
JET	
BLA	
COM	



00287250

#16-2 State
Sec 16 T9N R81W
Jackson County, Colorado
Elevation: 8190' GR
Page 1

RECEIVED
AUG 6 1981
COLO. OIL & GAS CONS. COMM.

B/H Interest: APO - 43.75%
Contractor: Madexco
Operator: Burton/Hawks, Inc.
North Lone Pine Prospect

04-27-81 MIRT

04-28-81 No Report

04-29-81 No Report

04-30-81 No Report

05-01-81 No Report

05-02-81 No Report

05-03-81 Rigging down.

05-04-81 Roding rig to Walden, Colorado. Started to rig up.

05-05-81 Rigging up.

05-06-81 Waiting on parts. TAC \$28,424 (est)

05-07-81 Depth 289' - drlg @ base of gravel & top of Pierre shale @ 70'. 7 hrs rig-up, 4 hrs drlg, 3 hrs tripping, 1½ hrs rig up & run csg. 8 hrs washing down csg to get thru the gravel, blowing csg to btm. TAC \$38,624

05-08-81 Depth 289'. Blowing csg to btm thru caving gravel. Twisted bottom joint out of collar. Screwed back into collar, cmted w/177 sx class G cmt. Cmt w/1# Cela flake & 2% CaCl⁻. Cmt came to surface both inside and outside conductor pipe. Did not pump plug down. Let cmt stabilize in csg. Stopped pumping @ 03:00 on 05-09-81.

05-09-81 Depth 289' WOC 12 hrs. Air compressor and rig charges stop at this point until malfunctioning rig components are replaced and soft location is stabilized.

05-20-81 Anticipate to be drlg on Thursday, May 21.

05-21-81 No Report

05-22-81 Moving Madexco rig off of location - moving on Denton Brothers rig.

05-23-81 Rig down load trucks. Rig up Denton Brothers.

05-24-81 Rig up & repair rig.

05-25-81 Rig up 8½ hrs, drlg 8 ¾ hrs, sur 2 hrs, dry hole 1 hr, trip 3 ¾ hrs, rig repair ½ hr. Bit #2-8 ¾"-Reed-serial #349334 HS 51-J-drled 179' in 3½ hrs-jets open. Bit #3-6 ¾"-Security-serial #221690-drled 176' in 5½ hrs-jets open. Survey @ 609' 50.



#16-2 State
Sec 16 T9N R81W
Jackson County, Colorado
Elevation: 8190' GR
Page 2

B/H Interest: APO - 43.75%
Contractor: Madexco
Operator: Burton/Hawks, Inc.
North Lone Pine Prospect

- 05-26-81 Depth 980' Hit water @ 780'. Drled 19 hrs w/bit #3 - made 527'. Bit #4
6 3/4" Security, M4NJ Serial #852930. Air misting - 12 to 15 bbls of water -
5 bbls soap. Survey's: 308 10° - 780 60° - 809 60° - 930 6 1/2°. Rig service 1/4 hr.
drlg 18 hrs, survey 1 1/2 hrs, clean hole 1/4 hr., trip 4 hrs.
- 05-27-81 Depth 1528' (estimated 140' east of surface location). Drled 643' Operation:
drlg. Survey's: 1075' 100° - 1151' 100° - 1236' 10 1/4° - 1300' 10 1/2° - 1378' 80° -
1453' 5 1/2°. Drled 22 3/4 hrs on bit #4. Drlg 21 1/2 hrs., sur 2 1/2 hrs.
- 05-28-81 Drled 226' in 7 hrs., Drled w/bit #4 for 31 hrs - 844'. Survey's: 1528' 20° -
1579' 3/4° - 1629' 10° - 1704' 10° - 1804' 2 1/4° - 1905' 10°. Air pressure - 300#.
Present operation: drlg. Drlg 15 1/2 hrs., survey 2 3/4 hrs., trip 5 1/2 hrs.,
blow hole to clean 1/4 hr. Bit #5 6 1/2" Reed FP52 Serial #904995
- 05-29-81 Survey's: 2030' 20° - 2306' 120°. Trips 4 1/4 hrs., blow hole to clean 1/4 hr.,
Drlg 17 hrs., sur 1 hr., rig repair 3/4 hr., rig service 1/4 hr.
- 05-30-81 Changed from air to mud. Ream & wash ^{hole} ~~hole~~ 3 1/2 hrs., sur 1 1/2 hrs., trip 9 1/2 hrs.,
mix mud 1 hr., drled 7 1/2 hrs. MW 8.8, WL 9.2, vis 45
- 05-31-81 Depth 3310' MW 8.9 to 9.1, vis 60, WL 9. Pump psi - 800 to 900#. Drled
for 41 1/2 hrs w/bit #5, made 147'. Drlg 16 hrs., mix mud 1 1/4 hrs., sur 3/4 hr.,
ream 4 1/2 hrs. Mowry Formation: 3140'
- 06-01-81 Depth 3586' Drled for 63 hrs w/bit #5. Formation Tops: Dakota 3510' (tight)
No shows. Lakota 3580' (upper tight) No shows. Have not drled into any
porosity yet. vis 48, MW 8.9, WL 12. Drlg 20 1/2 hrs., Survey 3/4 hr @ 3400'
70, pump repair 1 1/4 hrs., rig repair 1 hr.
- 06-02-81 Depth 3685' Survey @ 3684' 170°. Operation: tripping. Vis 50, MW 9.1, WL 9.9
Drlg 8 hrs., mix mud 1 1/4 hrs., survey 3/4 hr., rig repair 1 1/4 hrs., trip 13 1/2 hrs.,
Drled for 72 hrs w/bit #5 - 778'. Bit #6 - 6 1/2" Reed HP52 - Serial #910666.
- 06-03-81 Depth 3760' Survey @ 3736' 210°. Operation: Rigging up logger - prep to log.
vis 75, MW 9.2, WL 8.9. Trip 6 1/2 hrs., drlg 12 3/4 hrs., survey 1 1/2 hrs., mix
mud to cir for logging 3 1/2 hrs., Drled for 12 3/4 hrs w/bit #6 -
Ran Schlumberger IES log. Drillers T.D. - 3772' Schlumberger T.D. - 3745'
Formation Tops: Niobrara 1490' - 550' high to the #16-1 State
Carlyle 2210' - 645' high to the #16-1 State
(Note: Had a reverse fault 600' of repeat)
Frontier 3108' - 30' high to the #16-1 State
Graneros 3510' - 130' low to the #16-1 State
T.D. in steep dips.
WO dip meter tool. Hole in good condition for logging.
- 06-04-81 Rig up to log 1 hr., logged 10 hrs., rig down 1 hr., Present operation:
Moving to Noffsinger #5-1. Suspended operations pending evaluation of dip
meter data.

DAILY CHRONOLOGICAL REPORT

- 05-25-81 Drill with air to 333' using 8 3/4" bit. Survey @ 308' 1^o, trip out for 6 3/4" bit. Drill with air to 584'.
- 05-26-81 Drill to 950' keeping weight off bit to control deviation. Survey @ 609' 5^o, 709' 6^o, 809' 6^o, 930' 6 1/2^o. Hit a small amount of water @ 780', went to soap mist drilling. 12 to 15 bbls of water - 5 bbls of soap. TOH and laid down square collar @ 860'.
- 05-27-81 Drill to 1503'. Increased bit seight to 12,000# from 1010' to 1076'. Survey @ 1076' 10^o (climbed 3 1/2^o in 145'). Decreased bit weight to 5000# at 1076'. Survey @ 1151' 10^o, 1236' 10 1/4^o, 1300' 10 1/2^o, 1378' 8^o, 1483' 5 1/2^o. Top of Niobrara 1490'.
- 05-28-81 Drill to 1930'. Survey @ 1528' 2^o, 1579' 3/4^o. 15' flare for 20 sec @ 1579'. Survey @ 1629' 1^o, 1704' 1^o. TOH and install bit #5, 6 1/2" @ 1704'. Increase bit weight @ 1704' to 10,000#. Survey @ 1804' 2 1/4^o, 1905' 1^o.
- 05-29-81 Drill to 3084'. Increase weight on bit strongly at 1955'. Survey @ 2030' 2^o, 2306' 12^o. Hole making too much water to unload @ 3084'. Trip @ 3084'. Top of Carlile 2210'.
- 05-30-81 Finish trip. Rig up for mud. Trip in to 2983'. Survey @ 2983' 17^o.
- 05-31-81 Drill to 3310'. Survey @ 3134' 12 1/2^o. Top of Frontier 3108'.
- 06-01-81 Drill to 3586'. Survey @ 3400' 7^o. Top Graneros 3510'.
- 06-02-81 Drill to 3684'. Survey @ 3684' 17^o. TOH @ 3684' for new bit. Hole tight @ 3475' and 3575'. Take out 2 joints bent pipe. TIH to 3475'.
- 06-03-81 Finish tripping in. Drill to 3772'. Survey @ 3736' 21^o. T.D. in steep dips @ 3772'.
- 06-04-81 Ran the following Schlumberger logs:
 Induction - SFL
 Dipmeter
Logged to 3740' T.D. which correlates with 3772' T.D. driller from the drill time.



00287251

BIT RECORD

Number	Make	Type	Depth In	Depth Out	Footage
1					
2	Reed 8 3/4	HS51J	∅	333	333
3	Sec 6 3/4	M4NJ	333	860	527
4	Sec 6 3/4	M4NJ	860	1704	844
5	Reed 6 1/2	FP52J	1704	3684	1980
6	Reed 6 1/2	FP52J	3684	3772	88

