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COLO. OIL & GAS CONS. COMM.

R E S U M E

OPERATOR: Oxford Exploration Company

WELL: #1 Meier

LOCATION: 1980' FEL, 500' FNL

FIELD: Wildcat

COUNTY: Logan

STATE: Colorado

ELEVATION: 4444 Ground; 4453 Kelly Bushing

CASING: 8 5/8 @ 427'

HOLE SIZE: 7 7/8

TOTAL DEPTH: 5235

BOTTOMING FORMATION: Skull Creek Shale

MUD: Chemical gel

SPUD: November 10, 1975

COMPLETED: November 15, 1975

CORES: None

DRILL STEM TESTS: 1 - 5177 - 5187

LOGS: IES - FDC, GR

CONTRACTOR: Exeter - Rig No. 5

PRODUCTION: None



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*File*

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LOG ANALYSIS

DEPTH	R <sub>w</sub> *	R <sub>t</sub>	POROSITY	WATER	REMARKS
5174-80	.15	8	19%	65%	
5180-90	.15	7	20%	65%	
5190-96	.15	6	20%	71%	
5196-5204	.15	6	17%	82%	
5204-5210	.15	5	19%	83%	

\*Regional value estimated by Dresser .15

PLUGGING RECORD

Permission was obtained by Bob Fisher, Exeter toolpusher,  
from the Colorado Oil and Gas Conservation Commission to plug the  
well as follows:

15 sx base of surface casing

10 sx top of surface casing



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DEVIATION SURVEYS

<u>Depth</u>	<u>Drift</u>
2300	1°
3479	1 3/4°
3694	1 1/2°
5074	1°

MUD PROPERTIES

<u>Date</u>	<u>Depth</u>	<u>Wght</u>	<u>Vis</u>	<u>Ph</u>	<u>Filtrate</u>	<u>Cake</u>	<u>Salt</u>	<u>Solids</u>	<u>Sand</u>	<u>Lcm</u>
11-13	4900	9.8	39	8.0	6.2	2/32	950	12%	TR	2%
11-14	5179	9.9	59	8.0	5.8	3/32	1150	20%	1/4%	1%
11-14	5235	9.7	39	8.0	5.9	3/32	1150	12%	TR	1%

DRILL STEM TESTS

Drill Stem Test No. 1: 5177 - 5187

Open 10 minutes, Shut In 20 minutes, Open 60 minutes, Shut in 120 minutes. Good air blow throughout, (bottom of bucket) decreasing at end of test.

Recovered: 2000' of gas cut water

## Pressures:

Initial Hydrostatic - 2682  
 Final Hydrostatic - 2603  
 1st Open Flow - 554 - 606  
 2nd Open Flow - 672 - 870  
 Shut In - 1st Period- 870  
 Shut In - 2nd Period- 870



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FORMATION TOPS

KB Elevation: 4453

<u>FORMATION</u>	<u>LOG DEPTH</u>	<u>DATUM</u>
Niobrara	4303	+150
Carlile	4609	-156
Greenhorn	4790	-337
Bentonite	4944	-491
D-Sand	5042	-589
J-Sand	5156	-703
Skull Creek	5212	-759
T.D.	5235	-782

B I T R E C O R D

<u>No.</u>	<u>MAKE</u>	<u>SIZE</u>	<u>TYPE</u>	<u>WGHT*</u>	<u>RPM</u>	<u>PUMP PRESS</u>	<u>DEPTH OUT</u>	<u>FEET</u>	<u>HOURS</u>	<u>FT/HR</u>
1		12 1/4								
2	Smith	7 7/8	DTJ	15	200	500	3667	3265	30 3/4	106
3	Smith	7 7/8	DTJ	25	175	500	5078	1384	21 1/4	65
4	SEC	7 7/8	S4T	25	110	500	5179	101	6 3/4	15
5	SEC	7 7/8	S4T	30	140	450	5235	56	2	28





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D A I L Y   D R I L L I N G   C H R O N O L O G Y

11:00 to PM to 11:00 PM

DATE	DEPTH	ACTIVITY	FEET MADE	HOURS DRILLED
11-9	0	MIRT, RURT, wait on pump parts	0	0
11-10	946	Work on mud pump, drill surface, set 13 jts, 8 5/8, 24# at 427, cmt. w/370 sx, 3% CaCl reg., plug down 1:30 p.m., good returns, WOC, drill, work on mud pump.	946	10
11-11	2886	Drill, work on mud pump, drill.	1940	16 3/4
11-12	4318	Drill, trip for bit, work on mud pump, drill	1432	14 3/4
11-13	5081	Drill, work on mud pump, drill, lost circulation at 4859*, drill, mud up, trip for bit, drill, lost circulation at 5081*.	763	15 1/4
11-14	5235	Drill, work on mud pump, drill, trip for bit, drill, work on mud pump, lost circulation 5182*, drill, circulate for logs, run log in hole, make clean out trip to bottom.	154	8 1/2
11-15	5235	Rig up logging log, rig up tester, run DST #1.	0	0

\*Estimated that 500 barrels were lost in total.

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D I S C U S S I O N

The prospect was based on a review of old marathon 100% seismic data which indicated a closure high to the well in the S/2 of section 23. The subject well is approximately 10 feet high on top of the "D" sand, porosity in the objective J-3 appears to be a maximum of 20% which is lower than other nearby J-3 wells.

