



GEOLOGICAL WELL REPORT

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SEP 22 1972

COLORADO OIL & GAS COMMISSION

CHANDLER & ASSOCIATES, INC.

GRIMM 16-25

C SE SE SECTION 25-T3S-R66W

ADAMS COUNTY, COLORADO

C. PLEAS STRINGER, JR.
PETROLEUM GEOLOGIST
406 Johnson Building
Denver, Colorado 80202

September 13, 1972

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406 JOHNSON BUILDING
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PHONE 292-4000

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CONTRACTOR: Exeter Drilling Co., Rig #12
TOOL PUSHER: Art Linder
GEOLOGIST: Pleas Stringer
MUD LOGGING: Keith Brown, Monitor, Inc.
ELEVATIONS: 5488 Ground, 5497 KB
FOOTAGE: 660' FSL, 660' FEL
SPUD DATE: August 25, 1972
SURFACE CASING: Set 296' of 8-5/8" at 305' KB with 275 Sacks of Cement
CORES: None
TESTS: DST #1 8420 - 8538 (Straddle Packers) in the "J" Sand.
Misrun.

DST #2 8490 - 8525 (Straddle Packers) in the "J" Sand.
MUD: Chemical Gel with no oil added
LOG SURVEYS: Welex Induction Electric Log from 295 - 8690'
Welex Acoustic Velocity Log from 2300 - 3148', 5100 -
5598', 7670 - 8690'
Welex Fracture Finder Log from 4800 - 5654', 7340 -
8690'
Dresser Atlas Densilog with Caliper from 2282 - 3140',
5090 - 5610', 7700 - 8693'

INDUCTION LOG TOPS:	<u>Formation</u>	<u>Depth</u>
	Hygiene	2350
	Sussex	5347
	Niobrara	7741
	Timpas	8043
	Carlile	8071
	Greenhorn	8142
	Bentonite Marker	8345
	"D" Sand	8442
	"J" Sand	8478
	Skull Creek	8581
	Skull Creek Sand	8620

TOTAL DEPTH: 8695 by Driller, 8696 by Logger
STATUS: Plugged and Abandoned September 8, 1972

SAMPLE DESCRIPTION - Depths adjusted to Induction Log
(Samples above 8485' were either missing or very poor)

"J" Sand 8478

- 8485 - 8490 Siltstone - gray, soft, no sample shows. Gas detector had an 11 unit increase over a 52 unit background.
- 8490 - 8518 Sandstone - white, very fine grained, poorly sorted, angular, hard to friable, poor porosity and permeability, no shows.
- 8518 - 8542 Siltstone - gray, hard, no shows.

Skull Creek 8581

- 8542 - 8620 Shale - dark gray, firm, fissile, occasional pyrite.

Skull Creek Sand 8620

- 8620 - 8654 Sandstone - white, very fine to fine grained, poorly sorted, angular, hard to friable, poor porosity and permeability, no sample shows. Gas detector had a 10 unit increase over a 25 unit background.
- 8654 - 8664 Shale - as above.
- 8664 - 8674 Siltstone - as above, no shows.
- 8674 - 8695 Sandstone - as above, no shows.

The gas detector also recorded the following amounts:

<u>Depth</u>	<u>Increase</u>	<u>Background</u>
5100	10	30
6900-7200	50	350
7200-7750	150	350

LOG ANALYSIS: Interpreted by Amoco Production Co., Denver Division

<u>Depth.</u>	<u>Rw Used</u>	<u>% Porosity</u>	<u>% Water Saturation</u>
8490-92	0.10	13.9	29
8492-94	"	8.5	40
8494-99	"	4.8	59
8499-8501	"	5.8	50
8501-04	"	7.6	40
8510-15	"	10.9	26
8621-25	0.24	8.5	58
8625-29	"	2.4	100
8629-39	"	6.4	71
8639-43	"	4.8	100
8643-48	"	3.0	100

DRILL STEM TESTS

DST #1 8420-8538 (Straddle Packers). Misrun: packers failed.

DST #2 8490-8525 (Straddle Packers). Open 4', SI 60', open 60', SI 90'
Packers failed immediately, re-set tool. First flow period had a
very weak blow. Second flow period opened with a faint flow,
dead in 3'.

Recovery: 390' mud. No shows.

Sample Chamber: 2150 cc of mud under 0# pressure.

Pressures:	1st FP	236 - 254#
	2nd FP	247 - 353#
	SIP	626 - 461#
	HP	4198 - 4073#

DRILLING TIME: Minutes per 5'

7700-7800	4-4-4-4-5-5-5-6-6-6-6-5-5-5-5-5-6-6-6-6
7800-7900	6-6-6-7-7-7-6-6-5-5-5-6-7-7-7-7-6-6-6-8
7900-8000	8-7-6-6-6-7-8-7-9-12-13-12-12-13-13-14-12-15-14-13
8000-8100	12-12-14-15-14-15-14-12-14-14-13-12-9-10-12-10-9-12-12-11
8100-8200	12-11-12-11-11-11-11-12-13-11-12-13-11-12-12-14-11-12-10-8
8200-8300	9-8-9-8-9-9-9-9-9-9-9-9-10-9-10-11-11-13-12
8300-8400	15-21-19-26-NB-5-5-5-5-5-5-6-5-4-4-4-4-4-4-5-4
8400-8500	4-4-4-5-5-6-8-18-13-14-16-15-16-17-19-18-35 (Corr: 8487 = 8496)-NB-70
8500-8600	80-71-75-77-78-69-77-73-58-39-42-40-49-43-40-41-39-36-37-36
8600-8695	31-35-30-35-27-31-31-42-32-37-44-48-41-41-38-36-49-NB-49-66

CHRONOLOGICAL HISTORY

8-25-72	Spudded 7:00 P.M. Set surface casing.
8-26-72	WOC
8-27-72	Drilling 3210'
8-28-72	Drilling 5111'
8-29-72	Trip at 6242'
8-30-72	Drilling 7027'
8-31-72	Drilling 7828'
9- 1-72	Trip at 8319'
9- 2-72	Drilling 8537'
9- 3-72	Trip at 8683'
9- 4-72	TD 8695'
9- 5-72	Logging.
9- 6-72	Logging. DST #1
9- 7-72	DST #2
9- 8-72	Plugged and abandoned.

BIT RECORD

<u>No.</u>	<u>Size</u>	<u>Make</u>	<u>Type</u>	<u>Depth Out</u>	<u>Feet</u>	<u>Hours</u>
1	7-7/8"	Smith	DT	2035	1730	7-1/4
2	"	Reed	YT3A	2525	490	6
3	"	Smith	DT	4106	1581	14-3/4
4	"	Smith	DTJ	5530	1424	16-1/4
5	"	Smith	DTJ	6242	712	11-1/4
6	"	Smith	DTJ	6880	638	13-1/4
7	"	Hughes	OSC3-J	7692	812	19-1/4
8	"	Smith	DGTH-J	8319	627	22
9	"	Hughes	C1C-J	8496	168	5-3/4
10	"	Smith	4JS-J	8683	187	30-1/2
11	"	Reed	YHG-J	8695	12	2

PLUGGING RECORD

50 Sacks of Cement 1925 - 2080

15 Sacks of Cement 1/2 in and 1/2 out of base of surface casing

10 Sacks of Cement at the top.

Respectfully submitted,

C. Pleas Stringer Jr.

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