Sherman Consulting

API 15-065-23937-00-00

GEOLOGIST'S REPORT
DRILLING TIME AND SAMPLE LOG

OPERATOR: Pintail Pet. & Gas Corp.
LEASE: Putman Exp. WELL NO. #1
FIELD: Wildcat
LOCATION: NW SW NW
SEC. 22 TWP. 9S RGE. 21W
COUNTY: Graham STATE: Ks.

ELEVATION
KB: 2314
GL: 2305
Measurements Are All From Kelly Bushing

CONTRACTOR: Duke Drilling Rig #10
SPUD: 8-25-2013 COMP.: 8-31-2013
TOTAL DEPTH: 3900 DATE: 8-31-2013
SAMPLES SAVED FROM: 3600 TO: T.D.
DRILLING TIME KEPT FROM: 3600 TO: T.D.
SAMPLES EXAMINED FROM: 3600 TO: T.D.
GEOLOGICAL SUPERVISION FROM: 3600 TO: T.D.
MUD BY: Chemical

CASING RECORD
Surface: 8 5/8" @ 216'
w/ 160 sks 60/40 Poz
Production: 5 1/2" @ 3896'
w/ 150 sks Common Class A
1/2 sk/sk Gel Flake

DRILL STEM TESTS
NONE

CORES
NONE

COMPLETION INFORMATION
Perforations: None
Acidized: None
Fracture Treated: None

TOPS		
Anhydrite	1729 (+585)	+5
B/Anhydrite	1764 (+550)	+5
Topeka	3186 (-872)	+2
Heebner	3412 (-1098)	+2
Toronto	3434 (-1120)	+2
Lansing	3476 (-1162)	+2
B/Kansas City	3744 (-1430)	+2
Arbuckle	3787 (-1473)	+2

Pintail Exp. #1
22

REFERENCE WELL FOR STRUCTURAL COMPARISON: Y & P Oil, Hemmen
Sec. 22-9S-21W, Graham County, Kansas

DST	DATE	NO.	HRS.	MIN.	FSI.	SAMPLE	REC.	MUD
DST #1	3600							
DST #2	3650							
DST #3	1770							
DST #4	1769							
DST #5	2770							
DST #6	1764							
DST #7	3795							

TOOLPUSHER	DRILLER	DESCRIPTION OF JOBS	DATE

REMARKS AND RECOMMENDATIONS

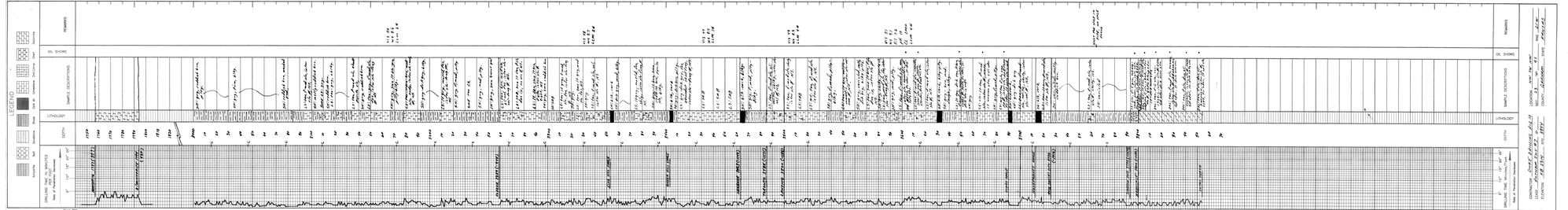

FIG. 1