

GENERAL INFORMATION

Elevation: K.B. 3,351' G.L. 3,346'
(All measurements K.B.)

Field: Wildcat

Contractor: Val Energy Inc.

Rig: No. 1

Surface Casing: 35 jts of new 8 5/8" set at 1,577'

Total Depth: 5,661' LTD 5,670' RTD

Drilling Time: 3,000' to 5,670' RTD

Samples Saved: 3,000' to 5,670' RTD

Samples Examined: 3,000' to 5,670' RTD

Wellsite Geologist: Richard J. Hall - CPG No. 4749
Peter Debenham
Wellsite Geological Consultants
Whitehall Exploration

Mudlogging Unit: M7

Type Unit: Standard Hotwire/Standard Chromatograph

Drilling Consultant: Leon Boyle

DST Company/Tester: Trilobite Testing LLC / Mike Colantonio

Number of Tests: One - Morrow Keyes Sandstone

Mud Up/Displace Depth: 3,000'

Mud Company/Engineer: Mud Co. Inc. / Reid Atkins & Tony Maestas

Mud Type: Chemical

Electric Logging Company: Rosel (Liberal, KS)

Type Logs: •Dual Induction Log (B/surf. csg.-5,661')
•Compensated Neutron Density/Litho-density
(3,000-5,661')
•Sonic (B/surf. csg.-5,661')
•Microlog

Total Depth Formation: Mississippian St. Louis

Drilling Samples: 1 dry cut sent to Kansas Geological Survey
Sample Library - Wichita, KS

Well Status: 5 1/2" prod. casing set to further test
gas production from the Keyes Sandstone

DAILY DRILLING CHRONOLOGY

<u>1998</u> <u>DATE</u>	<u>7:00 A.M.</u> <u>DEPTH</u>	<u>24 HOUR</u> <u>FOOTAGE</u>	<u>7:00 A.M. OPERATION; 24 HOUR ACTIVITY</u>
6/23	0	0	MIRU.
6/24	1,100	1,100	Mix mud; spud, drill rathole and mousehole, spud 12 1/4" surface hole and drill to 1,100'.
6/25	1,735'	635'	Drill ahead; to 1,582' & stuck pipe, pull free & trip for bit, wash to bottom, drilling to 1,735', circ, run 8 5/8" casing set at 1,577', cement, Wait on cement.
6/26	2,775'	1,040'	Nipple up & pressure test BOP to 800 PSI; drill cement & plug, drilling, run survey @ 2775', jet and clean pits.
6/27	3,400'	625'	Repack swivel & service; drilling, jet pits, drill to 3,400'.
6/28	4,015'	615'	Drilling ahead; drill tp 4,015'.
6/29	4,465'	450'	Drilling ahead; circulate for samples at 4,458'.
6/30	4,696'	231'	Drilling ahead; drop survey @ 4,696', trip for bit No. 2, Change out pump clutch.
7/01	5,110'	414'	Change out pump clutch; drill to 5,110'.
7/02	5,443'	333'	Circulate for samples at 5,110'; drilling, circ. for samples at 5,443', short trip and circ., trip out for DST No. 1 (5,415'-5,443') Keyes SS.
7/03	5,545'	102'	Tripping out of hole; run in w/ test tool, run DST, unable to rotate tool for final period, pulled tight off bottom-differentially stuck, trip in & circulate, drill to 5,545'.
7/04	5,670'	125'	Drill to 5,670' TD; circualte, short trip 15 stands and circulate, drop survey, trip out for logs, run e-logs, trip to bottom and circulate, trip out laying down.
7/05	5,670'	0	Run 5 1/2" prooduction casing and cement.

REFERENCE WELLS

Reference Well "A":

Pickrell Drilling Co.
No. 1 Johns "B"
C-E/2-SE-SE
Section 25-T30S-R41W
Stanton County, Kansas
LTD: 5,712'
Elevation: 3,365' KB
Date Drilled: September, 1997
TD Formation: Mississippian St. Louis "C"
Status: Morrow Keyes Sandstone Oil & Gas Producer

DEVIATION RECORD

<u>Survey</u> <u>Depth</u>	<u>Deviation</u> <u>(Degrees)</u>	<u>Method</u>
1,582'	2	dropped
2,120'	1	wireline
2,678'	1	wireline
4,500'	1/2	wireline
4,696'	1/2	dropped
5,443'	1	dropped
5,670'	1	dropped

CORES

None

FORMATION TOPS

FORMATION	SAMPLE TOPS	Johns No. 2-1 ELECTRIC LOG		1 Johns "B" REFERENCE WELL "A"	REFERENCE WELL "B"	Difference to Reference Well	
		TOPS	DATUM			"A"	"B"
Winfield		2262	1089	1089		Flat	
Council Grove		2512	839	837		2	
Topeka		3284	67	73		-6	
Heebner		3639	-288	-299		11	
Lansing		3754	-403	-415		12	
BKC		4302	-951	-960		9	
Cherokee		4514	-1163	-1157		-6	
Morrow		5004	-1651	-1641		-10	
Morrow "C" SS		5047	-1696	-1681		-15	
Morrow "M2" SS		5261	-1910	-1901		-9	
Keyes SS		5405	-2054	-2050		-4	
Ste. Genevieve		5436	-2085	-2087		2	
St. Louis		5574	-2223	-2203		-20	
St. Louis "C"		5631	-2280	-2259		-21	

TRILGOSITE TESTING L.L.C.

OPERATOR : Ocean Energy

DATE 7-2-98

WELL NAME: Johns #2-1

KB 3351.00 ft

TICKET NO: 10922

DST #1

LOCATION : 1-31-41W

GR 3346.00 ft

FORMATION: Keyes

INTERVAL : 5415.00 To 5443.00 ft

TD 5443.00 ft

TEST TYPE: CONVENTIONAL

RECORDER DATA

Time	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	10993	10993	3227			PF Fr. 2135 to 2209 hr
SI 60 Range(Psi)	4250.0	4250.0	4995.0	0.0	0.0	IS Fr. 2209 to 2309 hr
SF 0 Clock(hrs)	12HR.	12HR.	8let			SF Fr. to hr
FS 0 Depth(ft)	5439.0	5439.0	5419.0	0.0	0.0	FS Fr. to hr

	Field	1	2	3	4	
A. Init Hydro	2739.0	0.0	2696.0	0.0	0.0	T STARTED 1900 hr
B. First Flow	271.0	0.0	193.0	0.0	0.0	T ON BOTH 2137 hr
Bl. Final Flow	293.0	0.0	290.0	0.0	0.0	T OPEN 2139 hr
C. In Shut-in	1403.0	0.0	1404.0	0.0	0.0	T PULLED 2315 hr
D. Init Flow	0.0	0.0	0.0	0.0	0.0	T OUT 0230 hr
E. Final Flow	0.0	0.0	0.0	0.0	0.0	
F. Fl Shut-in	0.0	0.0	0.0	0.0	0.0	
G. Final Hydro	2686.0	0.0	2626.0	0.0	0.0	
Inside/Outside	0	0	1			

TOOL DATA-----	
Tool Wt.	1800.00 lbs
Wt Set On Packer	25000.00 lbs
Wt Pulled Loose	125000.00 lbs
Initial Str Wt	78000.00 lbs
Unseated Str Wt	80000.00 lbs
Bot Choke	0.75 in
Roll Size	7.78 in
D Col. ID	2.25 in
D. Pipe ID	3.80 in
D.C. Length	533.00 ft
D.P. Length	4860.00 ft

RECOVERY

	Field	1	2	3	4
Tot Fluid	4.00 ft of	4.00 ft in DC and	0.00 ft in DP		
4.00 ft of	Watery Mud	35% Water 65% Mud			
0.00 ft of					
0.00 ft of					
0.00 ft of	.405 Res. 69.5 Temp.				
0.00 ft of	19000 Chlorides				
0.00 ft of					
0.00 ft of					
SALINITY 19000.00 P.P.M.	A.P.I. Gravity	0.00			

MUD DATA-----	
Mud Type	Chemical
Weight	9.20 lb/cf
Vis.	46.00 S/L
W.L.	7.20 in
F.C.	0.00 in
Mud Drop Y	25.0 ft

BLOW DESCRIPTION

1st Opening strong blow B.O.B. soon
as open tool GTS in 2 min MCF @ 1379

ISI. Bled off 2 in NO Blow back

2nd Opening Trying to get stuck could
not turn tool had 3 rounds torque T.O.H.

Ret. of fill	0.00 ft
Btm. H. Temp.	124.00 F
Hole Condition	Stickey
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out N	
Tool Chased N	
Tester	Mike Colantonio
Co. Rep.	Leon Boyle
Contr.	Val Energy
Rig #	1
Unit #	
Pump T.	

SAMPLES: NO

SENT TO:

Test Successful: Y

COMPANY: Ocean Energy

DATE: 7-2-98

WELL NAME: Johns #2-1

KB Elev: 3351.00 ft

TICKET #10922

DST #1

WELL LOCATION: 1-31-41W

GR Elev: 3346.00 ft

FORMATION: Keyes

INTERVAL Fr.: 5415.00 To 5443.00 T.D.: 5443.00 ft TEST TYPE: CONVENTIONAL

GAS RECOVERY MEASURED WITH Maria Data

***** GAS RATES FOR FLOW #1

Time (min)	Orifice (in)	Pressure (Psi)	H2O (in)	Rate (cf/d)
5	1.00	32	0	99400.0
10	1.00	39	0	114100.0
15	1.00	44	0	124700.0
20	1.00	46	0	129100.0
25	1.00	48	0	133300.0
30	1.00	50	0	137900.0

TEST HISTORY

1 0922 DST #1 Johns H2-1 Ocean Energy

Flag Points
t(min.) pc psi9

A:	0.00	2690.01
B:	0.00	193.63
C:	30.25	290.74
D:	66.50	1404.87
E:	0.00	2616.50

