

BEFORE EXAMINER CATA...
OIL CONSERVATION DIVISION

REPORT NO.
1078874

PAGE NO. 1

TEST DATE:
23-OCT-1998

— S — TEST NO. 5

Schlumberger Testing Data Report
CASE NO.
Pressure Data Report

Schlumberger

COMPANY: OCEAN ENERGY RESOURCES, INC.

WELL: TOWNSEND #5

TEST IDENTIFICATION

Test Type SLIM HOLE DST
Test No. ONE
Formation STRAWN
Test Interval (ft) 11260 to 11504
Depth Reference KB

WELL LOCATION

Field LOV. STRAWN
County LEA
State NEW MEXICO
Sec/Twn/Rng 2/16E/35E
Elevation (ft) 3981

HOLE CONDITIONS

Total Depth (MD/TVD) (ft) 11504
Hole Size (in) 6.125
Casing/Liner I.D. (in) 7" @ 11335'
Perf'd Interval/Net Pay (ft) .. / 78
Shot Density/Diameter (in) ...

MUD PROPERTIES

Mud Type F/W GEL PAC
Mud Weight (lb/gal) 8.6
Mud Resistivity (ohm.m)
Filtrate Resistivity (ohm.m) .. 6.263 @ 60F
Filtrate Chlorides (ppm) 1000

INITIAL TEST CONDITIONS

Initial Hydrostatic (psi) 5119.26
Gas Cushion Type
Surface Pressure (psi)
Liquid Cushion Type
Cushion Length (ft)

TEST STRING CONFIGURATION

Pipe Length (ft)/I.D. (in) ... 10386 / 2.60
Collar Length (ft)/I.D. (in) .. 1022 / 2.31
Packer Depths (ft)
Bottomhole Choke Size (in) ... 3.75
Gauge Depth (ft)/Type 11490/SLSR-884

NET PIPE RECOVERY

Volume	Fluid Type	Properties
3 bbl	MUD TO SURF	Rw3.216@60F 2000ppm
65.4 bbl	OIL TO SURF	API 43.2@60F
924 ft	REC OIL	API 43.6@60F
	EMULSIFIED	
408 ft	MUD	Rw1.663@60F 4000ppm

NET SAMPLE CHAMBER RECOVERY

Volume	Fluid Type	Properties
9.43 cuft	Gas	
700 cc	Oil	API 43.9@60F
0 cc	Water	
0 cc	Mud	
Pressure: 2350		GOR: 2140
		GLR: 2140

INTERPRETATION RESULTS

Model of Behavior
Fluid Type Used for Analysis..
Reservoir Pressure (psi)
Transmissibility (md.ft/cp) ..
Effective Permeability (md) ..
Skin Factor/Damage Ratio
Storativity Ratio, Omega
Interporos.Flow Coef..Lambda..
Distance to an Anomaly (ft) ..
Radius of Investigation (ft)..
Potentiometric Surface (ft) ..

ROCK/FLUID/WELLBORE PROPERTIES

Oil Density (deg. API)
Basic Solids (%)
Gas Gravity
GOR (scf/STB)
Water Cut (%)
Viscosity (cp)
Total Compressibility (1/psi)..
Porosity (%) 10
Reservoir Temperature (F) 173
Form.Vol.Factor (bbl/STB)

PRODUCTION RATE DURING TEST: Data Report

COMMENTS:

We had a successful test. The well flowed 65.4 bbls. of heavily gas cut oil to surface naturally. 18.2 bbls. at the end of the initial shut-in. 11.7 bbls. during the final flow. and 35.5 bbls. at the end of the final shut-in. We reversed an additional 5.4 bbls. of oil to the tank in the recovery along with 2 more bbls. of emulsified mud. All the oil recovered showed traces of water. The sample chamber contained a few drops of water in it.

 ** WELL TEST DATA PRINTOUT **

COMPANY: OCEAN ENERGY RESOURCES, INC.
 WELL: TOWNSEND #5

FIELD REPORT NO. 1236536
 INSTRUMENT NO. SLSR884

RECORDER CAPACITY: 10000 PSI PORT OPENING: INSIDE DEPTH: 11490 FT

LABEL POINT INFORMATION

#	TIME OF DAY HH:MM:SS	DATE DD-MMM	EXPLANATION	ELAPSED TIME, MIN	BOT HOLE PRESSURE PSIA	BOT HOLE TEMP. DEG F
1	7:12:47	23-OCT	HYDROSTATIC MUD	436.78	5119.26	163.18
2	7:17:17	23-OCT	START FLOW	441.28	2341.55	163.11
3	7:32:47	23-OCT	END FLOW & START SHUT-IN	456.78	3735.80	169.20
4	8:03:37	23-OCT	END SHUT-IN	487.62	4112.73	171.68
5	8:05:47	23-OCT	START FLOW	489.78	2775.42	171.45
6	9:05:57	23-OCT	END FLOW & START SHUT-IN	549.95	4082.43	172.99
7	13:05:47	23-OCT	END SHUT-IN	789.78	4109.19	172.33
8	13:10:27	23-OCT	HYDROSTATIC MUD	794.45	5069.77	172.83

SUMMARY OF FLOW PERIODS

PERIOD	START ELAPSED TIME, MIN	END ELAPSED TIME, MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA	INITIAL PRESSURE PSIA
1	441.28	456.78	15.50	2341.55	3735.80	2341.55
2	489.78	549.95	60.17	2775.42	4082.43	2775.42

SUMMARY OF SHUTIN PERIODS

PERIOD	START ELAPSED TIME, MIN	END ELAPSED TIME, MIN	DURATION MIN	START PRESSURE PSIA	END PRESSURE PSIA	FINAL FLOW PRESSURE PSIA	PRODUCING TIME, MIN
1	456.78	487.62	30.84	3735.80	4112.73	3735.80	15.50
2	549.95	789.78	239.83	4082.43	4109.19	4082.43	75.67

REPORT NO.
1289039

PAGE NO. 1

TEST DATE:
04-MAR-1999

STAR

Schlumberger Testing Data Report Pressure Data Report

Schlumberger

COMPANY: OCEAN ENERGY

WELL: TOWNSEND ST. #5

TEST IDENTIFICATION

Test Type BHP
Test No. 1
Formation
Test Interval (ft) 11510 to 11541

WELL LOCATION

Field LOVINGTON
County LEA
State NM
Sec/Twn/Rng S2T15SR35E

COMPLETION CONFIGURATION

Total Depth (MD/TVD) (ft)
Casing/Liner I.D. (in)
Hole Size (in)
Perforated Interval (ft)
Shot Density (shots/ft)
Perforation Diameter (in)
Net Pay (ft)

TEST STRING CONFIGURATION

Tubing Length (ft)/I.D. (in)..
Tubing Length (ft)/I.D. (in)..
Packer Depth (ft) 11343,
Gauge Depth (ft)/Type 11342/SLSR 833
Downhole Valve (Y/N)/Type

TEST CONDITIONS

Tbg/Wellhead Pressure (psi) ..
Separator Pressure (psi)

INTERPRETATION RESULTS

Model of Behavior
Fluid Type Used for Analysis..
Reservoir Pressure (psi)
Transmissibility (md.ft/cp) ..
Effective Permeability (md) ..
Skin Factor
Storativity Ratio, Omega
Interporos.Flow Coef., Lambda..
Distance to an Anomaly (ft) ..
Radius of Investigation (ft) ..

ROCK/FLUID/WELLBORE PROPERTIES

Oil Density (deg. API)
Basic Solids (%)
Gas Gravity
GOR (scf/STB)
Water Cut (%)
Viscosity (cp)
Total Compressibility (1/psi)..
Porosity (%)
Reservoir Temperature (F) 173
Form.Vol.Factor (bbl/STB)

PRODUCTION RATE DURING TEST: Data Report

COMMENTS:

THIS JOB WAS MECHANICALLY SUCCESSFUL.THANKS FOR USING HOBBS SLICKLINE.

 ** WELL TEST DATA PRINTOUT **

COMPANY: OCEAN ENERGY
 WELL: TOWNSEND ST. #5

FIELD REPORT NO. 1289039
 INSTRUMENT NO. SLR 872

RECORDER CAPACITY: 10000 PSI
 DEPTH REFERENCE: KB

GRADIENT INFORMATION

TIME OF DAY HH:MM:SS	DATE DD-MMM	ELAPSED TIME, HR	DEPTH FROM REF. FT	PRESSURE AT DEPTH PSIA	PRES. GRADIENT PSI/FT	TEMPERATURE AT DEPTH DEG F	TEMP. GRADIENT DEG F/FT
-----	-----	-----	-----	-----	-----	-----	-----
10:51:45	1-MAR	0.929	0.0	761.36		77.61	
11:12:01	1-MAR	1.267	3000.0	1175.32	0.138	98.20	0.00686
11:36:41	1-MAR	1.678	6000.0	1725.92	0.184	122.81	0.00820
11:52:49	1-MAR	1.947	9000.0	2394.11	0.223	145.69	0.00763
12:10:49	1-MAR	2.247	11342.0	2956.95	0.240	168.10	0.00957
7:55:29	4-MAR	69.991	11342.0	3009.63		174.06	
8:06:41	4-MAR	70.178	9000.0	2378.50	0.269	159.60	0.00617
8:19:13	4-MAR	70.387	6000.0	1524.76	0.285	133.65	0.00865
8:31:37	4-MAR	70.594	3000.0	1103.56	0.140	112.21	0.00715
8:45:05	4-MAR	70.818	0.0	1007.00	0.0322	82.85	0.00979