

RECEIVED

OCT 13 1969

NAT'L ASSOC. PET. CO.

LIBERAL

MA 4-3598

P.O. Box 523

RAINBO SERVICE CO.

Wire Line Well Service

629 S.E. 29th Oklahoma City, Okla.

OKLA. CITY
ME 4-2131
ME 4-0105

Company Atlas Minerals Location SW SE Sec. 26-32S-4W File O.C. 3915
 Lease PHILLIPS Well No. 1 Field Yarnell Formation Mississippian
 County Sumner State Kansas Date of test Oct. 6, 1969

FLOWING BOTTOM HOLE PRESSURE TEST

Summary

Well flowing since 10-3- 1969 on 17/64" Choke
 Rate b/d cu ft/d
 Casing pressure 535 PSI Tubing pressure 147 PSI
 Flowing temperature 126 °F at 3941 feet

Measurements

Customer Zero Point 4 ft. above G.L.
 Rainbo Zero Point (Instrument) T.H.G.
 Distance from reference point to zero 1 1/2 plus () minus (X)
 Pressures are (X) are not () corrected to zero level
 Elev. Grd DF 1215 DB 1219 Other

Completion details

Casing set 4211 feet Size 4 1/2" inches
 perf. 3986 to 3996 Liner
 Tubing set 3998 feet Size 2 3/8 inches
 BH Ch. Packer none Pin-plug 3965.5

History

Last flowing pressure PSI at on 19
 Last rate b/d cu ft/d
 Last productivity index b/d/PSI
 Last open flow potential cu ft/d

Productivity

Static pressure used PSI at ft
 Flowing pressure PSI at ft
 Pressure drop Rate b/d cu ft/d
 Productivity index b/d/PSI
 Open flow potential cu ft/d

Reservoir Data

Name of pay zone Depths to ft
 Gravity of produced fluid °API
 Gravity of produced gas (air = 1.000)

Depth feet	Pressure PSI, ga.	Gradient PSI/ft
0	147	
3941	615	.119
Bomb on bottom at 1:20PM 10-3-69. Opened on 14/64" choke at 1:40PM 10-3-69. Opened to 17/64" choke at 9:30AM on 10-4-69 for balance of test. Pulled bomb at 2:10PM on 10-6-69.		
DRAW-DOWN DETAILS ON SHEET ATTACHED.		

Datum stop Datum

Remarks

Type Instrument KeltnerNo. 299Received by W.K.M.

R.E.K.

Run by Lee Dudley

ATLAS MINERALS DIV. of ATLAS CORP.

PHILLIPS NO. 1

SUMNER COUNTY, KANSAS

Bomb set at 3941 feet at 1:20PM on Oct.3, 1969

<u>TEST TIME</u>	<u>PRESSURE</u>	<u>TEST TIME</u>	<u>PRESSURE</u>
on bot. S.I.	1410	18 Hrs. F 14/64	764
20 min. "	1410	20 " " "	763
Open to flow		21 " " 17/64	700
1 Hr. F 14/64	1162	24 " " "	658
2 Hrs. " "	924	30 " " "	638
3 " " "	861	36 " " "	628
4 " " "	842	42 " " "	622
5 " " "	829	48 " " "	620
6 " " "	811	54 " " "	618
8 " " "	798	60 " " "	616
10 " " "	788	66 " " "	615
12 " " "	781	72 " " "	615
15 " " "	772	72½ " " "	615

Pulled bomb at 2:10P on Oct. 6, 1969

ATLAS MINERALS DIV. OF ATLAS CORP.

PHILLIPS NO. 1

SUMNER COUNTY, KANSAS

October 3rd. to 6th., 1969

B.H.P. Draw-down Test - Mississippi

