

WELL HISTORY SHEET

Well Name & No.: O'Brien A #1
 Location: 1660' FSL + 1660' EEL Section 6 T 20S R 21W
 County: Deer County State: Kansas
 Elevation - RKB: 2236' GL: 2228' Date Completed: 2/15/64
 Initial Production & Zone: 131-56 Min. (OH) Top: 4375'
 Current Producing Formation: Min. (OH) Top: 4375'
 Current Production: 2.8 BOPD 102 BWPD - MCFPD
 Well Cumulative Production: 68476 BO 743931 BW - MCF
 Lease Production: 17 BOPD 905 BWPD - MCFPD
 Casing Record: 25 jts 8 7/8" 32# @ 506' w/ 300 sv, 135 jts 4 1/2" 9.5" J-55 @ 4375' w/ 275 sv
 Total Depth: 4385' PHID: 4385' DV: -
 Top of Cement - Long String: - TOC-DV: -
 Logs Run: Hellmberger Interscan / GR, Micrologger / Resist

WELL HISTORY: 3 DST's 1-3' test, 1-Completion, 1-Misc
Compl. Drill out shoe to 4385'. Acidize w/ 500 gal 7 1/2% BDA, 3 ac w/ 500 gal gelled acid blanket, 3000 gal gelled 3% acid and 3000# 20/40 sand, allowable 31 BOPD

(see attached)

Future Remedial: Regravel = 10' into Min. + acidize, 1000' of 4000-10
 Prepared By: M. Lynch Date: 1/9/91

Revised (2/86)

8 5/8" @
506'

4 1/2" @ 4375'

TD = 4385

Ritchie Exploration, Inc.

Field Work Report

Lease Obasimil Well Number 1

Field Supervisor Ness County Date 11-29-93

Type of Work sump truck

M.F.H. single run pulled 173 rods, pulled
rod.

Ran Belmont pump 2x1 1/2 x 14 RWT 4 ft plunger

2- Linker bars 47-3/4 rods from Well, 123 New

3/4 rods Nelson grade, 170-3/4 Rod

8 ft, 6 ft, 6 ft, 2 ft sony sub 1 1/4 x 1 1/2 polished Rod,

8 ft Linker, Hung well on

R. D. M. O.

2- Linker Bars of Compton

Ritchie Exploration, Inc.

Field Work Report

Lease O'Brien A/P Well Number Lse
Field Supervisor Ness County Date 12-3-93
Type of Work _____

purchased new fiberglass gun barrel @ sunrise
supply 12'x20'

12-8-93

unhook water knock out, hook lead lines
up to gun barrel

11-30-93, set extra stock tank
haul knock out to moore yard

1-12x12 1/2 stock tank 250 BBI w/ walkway
from Stites/P

Miles _____ Service Unit _____
Meals _____ Number of Hours _____
Phone _____
Other _____

Driller

Bernie Dilk

Field Supervisor

1-

Ritchie Exploration, Inc.
Field Work Report

Lease O'Brien A/P Well Number 1
Field Supervisor Nees County Date 2-10-94
Type of Work pump stuck

M.I. B. G. Long Stake, got pump free,
pressured to 400 p.s.i. Held.
Hung well on R.D.M.O.

Miles _____ Service Unit Plain Well Ser
Meals _____ Number of Hours _____
Phone _____
Other _____

_____ Driller
_____ Bennie Dille Field Supervisor

Ritchie Exploration, Inc.

Field Work Report

Lease O'BRIEN A/P Well Number 1
Field Supervisor NESS COUNTY Date 2-14-94
Type of Work ACIDIZE Damp

Annals
Casing
Vol
4689
BBLS

Band test 82.87 B.T.F 3% oil
2.48 B.O.PD
80.39 B.W.PD
8spm x 64" stroke, 1 1/2" pump, 56% N.P.E.
Pressure pump up, Dump 300 gallon 15%
SWIC, Heated Acid. Dump 40 BBLS water on top
Let set for 2 HRS, shoot fluid level, fluid
level @ 500 ft. Dump 7 BBLS more water.
Total of 47 BBLS water
Well leaf down 24 HRS

4 1/2
@
4377
T.D.
4385 1/2

2-15-94
fluid @ 1240 feet
Start well

Water, Schwien tank see

Miles _____ Service Unit Halliburton
Meals _____ Number of Hours _____
Phone _____
Other _____
_____ Driller
Kennie Dills
_____ Field Supervisor

Ritchie Exploration, Inc.

Field Work Report

Lease O'Brien A/P Well Number 1
Field Supervisor Neas County Date 2-21-94
Type of Work shoot fluid level, barrel test

100.00 B.T.F.
1.00 B.O.P.D.
8+spm x 64 stroke, 7 1/2 N.P.E.
fluid @ 2496 feet
fluid above hole 1881

change straw on motor
now running 10 1/4 t spm x 64" S.

Miles _____ Service Unit R.E.T
Meals _____ Number of Hours _____
Phone _____
Other _____

Bessie Dille Driller
Field Supervisor

Ritchie Exploration, Inc.

Field Work Report

Lease O'Brien A/P Well Number 1

Field Supervisor Ness County Date 2-28-94

Type of Work shoot fluid level, barrel test

fluid @ 3503 ft
 fluid above open hole 874 ft
 Barrel test 131.50 B.T.F.
 1.97 B.O.P.D
 129.53 B.W.P.D.
 10 1/4 spm x 64 stroke 75% N.p.o.E

fluid @ 3500 ft 10 1/4 spm x 64 in stroke
 peak Torque 114,000

fluid @ 4300 ft 12 1/2 spm x 64 in stroke
 peak Torque 145,000

11 3/4 spm
 140,000

↓
 1023 ft
 since
 speed up
 2 1/4 spm
 2-21-94

Miles _____ Service Unit R.E.T.

Meals _____ Number of Hours _____

Phone _____

Other _____ Driller

Bennie Dille

Field Supervisor

Ritchie Exploration, Inc.

Field Work Report

Lease Schaber Lake Water Right Well Number _____
Field Supervisor Ness County Date _____
Type of Work O'Brien AP, pump site

7-14-94

Burnt Wood Water Tank

7-15-94

Took fence down covered pit level, and Rip location

Miles _____
Meals _____
Phone _____
Other _____

Service Unit Beantech Const
Number of Hours _____

Driller _____
Bernie Dille
Field Supervisor

TEMPORARILY ABANDONED WELLS
ALL REQUESTED INFORMATION MUST BE SHOWN

OPERATOR LIC. # 5447 EXPIRATION DATE 6-30-88
 DATE JAN 27 1988
 OPERATOR NAME CITIES SERVICE OIL & GAS CORPORATION
 MAILING ADDRESS 3545 N.W. 58TH ST.
 CITY, STATE OKLAHOMA CITY, OK, ZIP 73112

CONTACT PERSON RICHARD E. ADAMS PHONE (405) 949-4326
 LEASE NAME O'BRIEN A SEC. 6 TWP 20 RGE. 21 W COUNTY NESS
 TOTAL # WELLS ON LEASE: 4 #OIL 3 #GAS #INPUT #SWD #TA 1
 SIGNATURE OF OPERATOR Richard E. Adams

APT #15 N/A

| WELL NO. | DATE SHUT-IN | TYPE OF WELL | FORMATION | TOTAL DEPTH | SIZE | SURFACE CASING | | CONDITION OF CASING | OTHER CASING | | CONDITION OF CASING | |
|---|---------------|--------------|----------------------|--------------|---------------|----------------|---------------|---------------------|---------------|--------------|---------------------|-------------|
| | | | | | | DEPTH | CMT AMT | | SIZE | DEPTH | | CMT AMT |
| <u>1</u> | <u>9/1/87</u> | <u>OIL</u> | <u>MISSISSIPPIAN</u> | <u>4383'</u> | <u>8 5/8"</u> | <u>507'</u> | <u>300 SX</u> | <u>GOOD</u> | <u>4 1/2"</u> | <u>4375'</u> | <u>275 SX</u> | <u>GOOD</u> |
| EXPLAIN BELOW, IN DETAIL, WHY WELL IS NOT BEING USED: | | | | | | | | | | | | |
| <u>UNECONOMICAL TO PRODUCE.</u> | | | | | | | | | | | | |
| SPOT LOCATION OF WELL: <u>660 N 660 W OF S/4 CORNER</u> | | | | | | | | | | | | |
| DO NOT WRITE IN THIS SPACE - FCC USE ONLY | | | | | | | | | | | | |
| DATE TESTED RESULTS PLUGGED REPAIRED DATE PUT BACK IN SERVICE | | | | | | | | | | | | |

APT #15

| WELL NO. | DATE SHUT-IN | TYPE OF WELL | FORMATION | TOTAL DEPTH | SIZE | SURFACE CASING | | CONDITION OF CASING | OTHER CASING | | CONDITION OF CASING |
|---|--------------|--------------|-----------|-------------|------|----------------|---------|---------------------|--------------|-------|---------------------|
| | | | | | | DEPTH | CMT AMT | | SIZE | DEPTH | |
| | | | | | | | | | | | |
| EXPLAIN BELOW, IN DETAIL, WHY WELL IS NOT BEING USED: | | | | | | | | | | | |
| | | | | | | | | | | | |
| SPOT LOCATION OF WELL: | | | | | | | | | | | |
| DO NOT WRITE IN THIS SPACE - FCC USE ONLY | | | | | | | | | | | |
| DATE TESTED RESULTS PLUGGED REPAIRED DATE PUT BACK IN SERVICE | | | | | | | | | | | |

CP-111 - REV. 12-85
(OVER)

TYPE OF WELL INDEX: OIL GAS SWD INJ WSW