

WELL RECORD

WILDCAT
DISCOVERY
POOL Schaben

Company Cities Service Oil Company Well No. 5 Farm O'Brien "A"
Location 1980' from W.L. & 1830' from S.L. Sec. 6 T. 20S R. 21W
Elev. Serv. K.B. 2245' D.F. 2242' Gr. 2236' Co. Ness State Kansas
N. I. P. 156 B.O., Tr. Wtr., 24 hrs. A. I. P. Grav.
Pay Zones Mississippian
Perforations 21 shots 4373-4380'
Acid 250 gals. Hydrafrac
T. D. 4397' P. B. T. D. 4386½' N. T. D. Drlg. Comm. 10/30/64 Drlg. Comm. 11/11/64

CASING RECORD

8 5/8" @ 510' w/300 sacks cem.
4½" @ 4393' w/100 sacks cem.

Formation Record:

	Depth:
clay, shale & lime	0 - 200
shale, sand & shells	512
shale & shells	817
sand & shale	895
sand	1100
shale, sand & shells	1450
shale	1469
anhydrite	1502
shale & shells	1885
shale & lime	2425
lime	2735
lime & shale	2970
lime & shale	3245
lime	4205
lime, cherty	4240
lime, chert & shale	4290
lime	4304
lime, shale & sand	4350
lime & chert	4384
lime	4394 R.T.D.

Contractor Peel Brothers, Inc.

Schlumberger Tops:

Heebner	3745 (-1500)
Toronto	3766 (-1521)
Lansing	3791 (-1546)
Base Kansas City	4115 (-1870)
Pawnee	4213 (-1968)
Fort Scott	4292 (-2045)
Cherokee	4315 (-2070)
Conglomerate	4353 (-2108)
Miss. (Osage)	4372 (-2127)
Log T.D.	4397
Pen. Miss. 25'	

Completion:

Drld. cem. to 4386½ P.B.T.D. Ran P.F.C.
log. Perf. 21 jet shots 4373-80'. Swb.
2.09 gals. oil & .42 gals. wtr., 1½ hrs.
Az. w/250 gals. 7½% acid. Swb. 124.52
B.O. & 79.64 B.W., 8 hrs.
State Physical Potential: 156 B.O., tr.
wtr., 24 hrs.

Syfo:

500'	-	0
1000'	-	0
1500'	-	0
2019'	-	0
2500'	-	0
3005'	-	0
4020'	-	0

1/5/65
ng

LEASE 'ELL :: O'Brien "A" " 5

Location: 1480' FWL - 1830' FSL Sec 6-20-21 County: Ness

Elevation -- G.L.: 2236

R.K.B.: 2245

Date Completed: 10-30-64

Initial Potential: 156 bo + Tr-24

Producing Formation: Mississippi

Top: 4372 (-2127)

Current Production: 5 bo +

Accumulated Production: ^{FT SCOTT} 3638 bo + 53,476 bw; 48,579 bo + 578,364 bw

Casing: 8 5/8" @ 510' 4 1/2" @ 4393'

8 5/8" @
510'
w/ 3005x

Total Depth: 4397

PBTD: 4333'

DV Tool:

WORKOVER RECORD:

Completion: Drilled account to 4386 1/2 Ran ITC log

Perf jets 4373-80. Saw 260 + 0.46w.

Acidize w/ 250 gal 7 1/2% 156 bo + Tr-24

5-15-73: Acidize miss perf w/ 250 gal MOD-202.

BWO. 4 bo + 87 bw - 24 AWO: 7 bo + 106 bw - 24

12-22-80: Perf Fort Scott 1300-06, 4294-96. Ran

RBP - set at 4333. Set RTTS at

4273'. Treat w/ 750 gall 15% NE AWO

BWO: 1 bo + 98 bw - 24 ^{MISS} AWO: 10 bo + 111 bw - 24 ^{FT SCOTT}

FT.
SCOTT
4294
4296
4300
4306

MISS
4373-
4380

4 1/2" @
4393'
w/ 3005x

WELL NO. 5

Location: 1980'FWL-1830'FSL Sec 6-20s-21w County: Miss

Elevation -- G.L.: 2236

R.K.B.: 2245

Date Completed: October 30, 1964

Initial Potential: 156 bot Tr - 24

Producing Formation: Mississippi

Top: 4372(-2127)

Current Production: 560 + 72bw - 24

Accumulated Production: 54,085 bo + 461,828 bw

Casing: 8 5/8" @ 510' w/ 300 sk 4 1/2" @ 4393' w/ 100 sk

Total Depth: 4397

PBTD: 4386

DV Tool:

WORKOVER RECORD: Completion: Drill out to 4386. Ran

PEC. Perf 4373-80. AZ w/ 250 gal 7 1/2%

5-15-73 Dump Acid 250 gal MOD 202 + 40bw

BWO: 4187

Awo: 7166

9-29-80 Perf Ft Scott 4300-06, 4394-96. Co

to 4378-81. AZ Ft Scott w/ 750 gal 15% N

BWO: 960 + 98bw - 24 min Awo: 1060 + 111bw Min 4 Ft Scott

No other zones Possible acid.

Ft
Scott

4374-96

4300-06

MISS

4373-80

PBTD
4386

4 1/2" @
4393'

TD 4397

4-28-83

WELL HISTORY SHEET

Well Name & No.: O'Brien A#5Location: 1920' FWL + 1830' FSLSection 6 T 20S R 21WCounty: New CountyState: KansasElevation - RKB: 2245 GL: 2236 Date Completed: 10/30/69Initial Production & Zone: 156-Tr Miss. Top: 4373'Current Producing Formation: Miss Top: 4373'Current Production: 3.3 BOPD 165 BWPD — MCFPDWell Cumulative Production: 60109 BO 788244 BW — MCFLease Production: 17 BOPD 905 BWPD — MCFPDCasing Record: 17 jts 8 5/8" @ 510' w/ 250 ax, 135 jts 4 1/2" 9.5"J-55 w/ @ 4393' w/ 100 ax.Total Depth: 4397' PBID: 4397' DV: —Top of Cement - Long String: — TOC-DV: —Logs Run: Schlumberger Laterolog, Welox PFC logWELL HISTORY: 3 DST's: 1- 1st Scott 2- MissCompl. Perf 4373-80' w/ 21 shots Acidizing w/ 250 gal 7 1/2%
RT CA acid Allow. 44 BOPD8/29/80 Perf 1st Scott 4300-06, 4294-96' w/ 16 holes. Treat
w/ 750 gal 15% NE acid.

9/15/80 1st Scott PP = 9-125

9/16/80 Com. w/ Miss. 9/29 PP = 10-111

10/31/90 Drill out shoe + deepen to 4397' w/ 3 7/8" bit.

Perf 4380-90' w/ 4SPF (Miss) Acid 1st Scott + Miss
perfs + open hole w/ 1500 gal 15% FE and 300# rock
salt in 3 stages. BW 2-28 AW 5-164

12/7/90 PP 8-154

Future Remedial: —Prepared By: M. LynchDate: 1/9/91

Revised (2/86)

8 5/8" @
510'

1st Scott

Miss.

4 1/2" @ 4393'

TD = 4397'

-294-96'
1300-06'

-373-80'

TREATMENT LOG

Acid Stage No. _____

Date 12 3 64 District HT Bond F. O. No. 7649
Company CITIES SERVICE OIL CO
Fee 0 Brien Well No. A 5
County NESS State KANSAS
Location _____ Field _____

Type Treatment:	Ant.	Type Fluid	Sls - Cement	Pounds of Seal
Blkdown	250	1 1/2 Gal. JACID		
		Bbl./Gal.		
		Bbl./Gal.		
		Bbl./Gal.		
Flush	71	1 Bbl./Gal. WATER		

Casing: Size _____ Type & Wt. _____ Set at _____ ft.

Perf. From 4373 ft. to 4380 ft. No. of Perf. 8

From _____ ft. to _____ ft. No. of Perf. _____

From _____ ft. to _____ ft. No. of Perf. _____

Liner: Size _____ Type & Wt. _____ Top at _____ ft. Bottom at _____ ft.

Cemented: Yes/No. Perforated From _____ ft. to _____ ft.

Tubing: Size _____ Swung at _____ ft.

Perforated From _____ ft. to _____ ft.

Formation: _____

Open Hole Size _____ T.D. _____ ft. P.B. to _____ ft.

Treated From 4373 ft. to 4380 ft. No. ft. 7

From _____ ft. to _____ ft. No. ft. _____

From _____ ft. To _____ ft. No. ft. _____

Calculated Volume to Load Hole _____ Bbl./Gal. Reach Form. _____ Bbl./Gal.

Actual Volume of Oil/Water to Load Hole: _____ Bbl./Gal.

Pump Trucks No. Used: SPEC. CDR. Twin ST.

Auxiliary Equipment

Packer _____ Set at _____ ft.

Auxiliary Tools

Plugging or Sealing Materials: Type & Amt. _____

SOS (No & Type) _____

Company Representative

Treater[illegible]

