

20-11-19W

SIDE ONE

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISION
WELL COMPLETION FORM
ACO-1 WELL HISTORY
DESCRIPTION OF WELL AND LEASE

Operator: License # 5184Name: Shields Oil Producers, Inc.Address Shields Bldg.City/State/Zip Russell, KS 67665Purchaser: Koch OilOperator Contact Person: M. L. RattsPhone (913) 483-3141Contractor: Name: Shields Drlg., Co., Inc.License: 5655Wellsite Geologist: Randall Kilian

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover☒ Oil ☐ SWD ☐ Temp. Abd.☐ Gas ☐ Inj ☐ Delayed Comp.☐ Dry ☐ Other (Core, Water Supply, etc.)

If OWM: old well info as follows:

Operator: _____

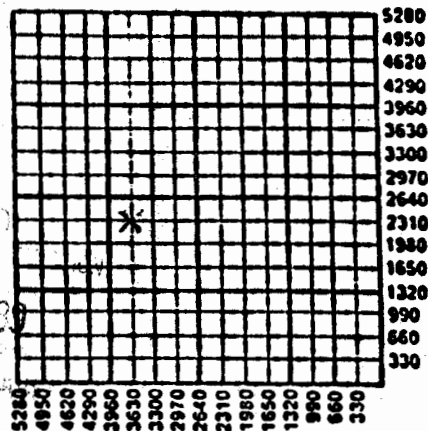
Well Name: _____

Comp. Date _____ Old Total Depth DEC 18 1989

Drilling Method:

☒ Mud Rotary ☐ Air Rotary ☐ Cable10-18-89 10-27-89 11-7-89

Spud Date Date Reached TD Completion Date

API NO. 15- 051-24,611County EllisNW NE SW Sec. 20 Twp. 11 Rge. 19 ☒ East ☐ West2310 Ft. North from Southeast Corner of Section3630 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)Lease Name Wiles Well # 1Field Name Zerfas N.E.Producing Formation Kansas CityElevation: Ground 1960 KB 1965Total Depth 3538 PSTD 3500Amount of Surface Pipe Set and Cemented at 212 FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 3535feet depth to Surface w/ 450 sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 apply. Information on side two of this form will be held confidential for a period of 12 months if requested in writing and submitted with the form. See rule 82-3-107 for confidentiality in excess of 12 months. One copy of all wireline logs and drillers time log shall be attached with this form. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

All requirements of the statutes, rules and regulations promulgated to regulate the oil and gas industry have been fully complied with and the statements herein are complete and correct to the best of my knowledge.

Signature M. L. RattsTitle Production Supt. Date 11-20-89Subscribed and sworn to before me this 21st day of November, 19 89.Notary Public Ruth Phillips

Date Commission Expires _____



K.C.C. OFFICE USE ONLY

Letter of Confidentiality Attached

Wireline Log Received

Drillers Time Log Received

Distribution

☒ KCC☒ KGS☐ SWD/Rep☐ Plug☐ NGPA☐ Other

(Specify)

Form ACO-1 (7-89)

WPA-11-02

SIDE TWO

Operator Name Shields Oil Producers, Inc. Lease Name Wiles Well # 1
 Sec. 20 Twp. 11 Rge. 19 ☐ East ☒ West
 County Ellis

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval tested, time tool open and closed, flowing and shut-in pressures, whether shut-in pressure reached static level, hydrostatic pressures, bottom hole temperature, fluid recovery, and flow rates if gas to surface during test. Attach extra sheet if more space is needed. Attach copy of log.

Drill Stem Tests Taken ☒ Yes ☐ No
 (Attach Additional Sheets.)
 Samples Sent to Geological Survey ☐ Yes ☒ No
 Cores Taken ☐ Yes ☒ No
 Electric Log Run ☒ Yes ☐ No
 (Submit Copy.)

Formation Description

☒ Log ☐ Sample

Name	Top	Bottom
Anhydrite	1315	1360
Topeka Lm	2948	3166
Heebner Sh	3166	3170
Toronto Lm	3186	3198
L-K.C. Lm	3208	3426
Re-W Arb.	3506	3518
Arbuckle Dol	3518	RTD

CASING RECORD

8 5/8 ☒ New ☐ 5 1/2 Used

Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole Drilled	Size Casing Set (In O.D.)	Weight Lbs./Ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 1/4	8 5/8	20	212	Quickset	180	Pozmix
Production	7 7/8	5 1/2	14	3535	65-35 Common	350 100	10% Jet

PERFORATION RECORD

Shots Per Foot Specify Footage of Each Interval Perforated

Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth

4	3285-3289	500-15% & 1500 - 28%	3289

TUBING RECORD

Size
2

Set At
3285

Packer At
None

Liner Run

☐ Yes ☒ No

Date of First Production

11-20-89

Producing Method

☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours

Oil

Bbls.
50

Gas

Mcf
Trace

Water

Bbls.
0

Gas-Oil Ratio

Gravity
37.0

Disposition of Gas:

☐ Vented ☐ Sold ☐ Used on Lease
 (If vented, submit ACO-18.)

METHOD OF COMPLETION

☐ Open Hole ☒ Perforation ☐ Dually Completed ☐ Commingled
☐ Other (Specify) _____

Production Interval

3285-3289

20-11-19W

Shields

OIL PRODUCERS, INC.

R. L. SHIELDS, President



Russell, Kansas

FORM ACO-1 DRILL STEM TESTS

SHIELDS OIL PRODUCERS, INC. LEASE Wiles #1

D.S.T. #1 3240-3290 Times: 30-30-30-60

I.H.P. 1782 I.F.P. 126-311 I.S.I.P. 958

F.F.P. 362-404 F.S.I.P. 975 F.H.P. 1770

Recovery: 120' Oil Cut mud and 910' Muddy Gassy Oil

D.S.T. #2 3296-3306 Times: 30-30-45-60

I.H.P. 1738 I.F.P. 33-84 I.S.I.P. 849

F.F.P. 114-164 F.S.I.P. 866 F.H.P. 1724

Recovery: 420' very slight gas cut wtr

D.S.T. #3 3342-3405 Times: 30-30-30-45

I.H.P. 1784 I.F.P. 134-192 I.S.I.P. 841

F.F.P. 268-293 F.S.I.P. 798 F.H.P. 1771

Recovery: 380 Muddy Water

D.S.T. #4 3509-3533 Times: 30-45-30-45

I.H.P. 1902 I.F.P. 16-16 I.S.I.P. 218

F.F.P. 16-16 F.S.I.P. 142 F.H.P. 1897

Recovery: 15' Mud

D.S.T. #5 3524-3538 Times: 30-45-30-45

I.H.P. 1789 I.F.P. 33-33 I.S.I.P. 689

F.F.P. 33-33 F.S.I.P. 630 F.H.P. 1771

Recovery:

D.S.T. #6 _____ Times: _____

I.H.P. _____ I.F.P. _____ I.S.I.P. _____

F.F.P. _____ F.S.I.P. _____ F.H.P. _____

Recovery:

NOV 28 1989

COMMERCIAL DIVISION
RUSSELL, KANSAS