

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

Operator: License # 5171
Name TXO Production Corp.
Address 155 N. Market, Suite 1000
Wichita, Kansas 67202
City/State/Zip

Purchaser N/A

Operator Contact Person Bill Coffey
Phone (316) 269-7615

Contractor: License # 9187
Name Western Well Drilling, Inc.

Wellsite Geologist Jeff Childs
Phone (316) 269-7662

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

If OMWO: old well, info as follows:
Operator
Well Name
Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
5-19-87 5/20/87 6/19/87
Spud Date Date Reached TD Completion Date
1200' 1139'
Total Depth PBDT
8-5/8" 377.47'
Amount of Surface Pipe Set and Cemented at...feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set...feet
If alternate 2 completion, cement circulated from...feet depth to...w/...SX cmt
Cement Company Name
Invoice #

API NO. 15-15-181-20274 0000
County Sherman
C. E/2 SW. Sec. 32. Twp. 7S. Rge. 29 East West

1320' Ft North from Southeast Corner of Section
3300' Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

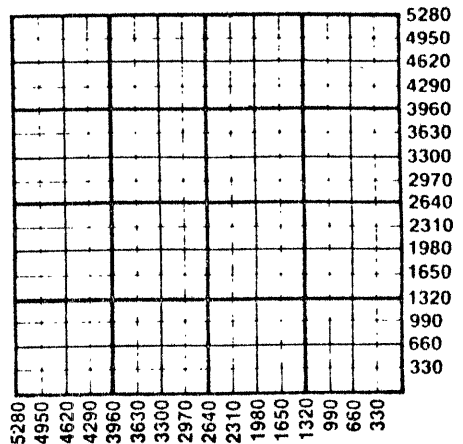
Lease Name SCHIELD Well # 1

Field Name Goodland Gas Field

Producing Formation Niobrara

Elevation: Ground 3631' KB 3636'

Section Plat



WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:

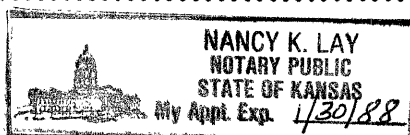
Water Resources Board (913) 296-3717
Source of Water:
Division of Water Resources Permit # N/A
Groundwater...Ft North from Southeast Corner (Well) ...Ft West from Southeast Corner of Sec Twp Rge East West
Surface Water...Ft North from Southeast Corner (Stream, pond etc)...Ft West from Southeast Corner Sec Twp Rge East West
Other (explain) City of Goodland (purchased from city, R.W.D. #)

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. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells.

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 Bill Coffey
Title District Geologist Date 7/10/87

Subscribed and sworn to before me this 10th day of July 1987
Notary Public Nancy K. Lay
Date Commission Expires January 30, 1988



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Drillers Timelog Received
Distribution
KCC SWD/Rep NGPA
KGS Plug Other (Specify)

Form ACO-1 (5-86)
7/14/87
JUL 14 1987

Sec 32 Twp 7S Rge 29E

Operator Name TXO Production Corp. Lease Name SCHIELD Well # 1

Sec. 32 Twp. 7S Rge. 39 East West County Sherman

WELL LOG

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
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

| Name | Top | Bottom |
|---------------------|------|--------|
| Niobrara | 1006 | +2630' |
| Base Beecher Island | 1038 | +2598 |

| CASING RECORD <input type="checkbox"/> New <input type="checkbox"/> 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 | 9-7/8" | 8-5/8" | 17# | 377' | Class A | 100 | 3% CaCl ₂ |
| Production | 9-7/8" | 4-1/2" | 10.5# | 1149.1' | Lite Thixotropic | 100 50 | |
| PERFORATION RECORD | | | | Acid, Fracture, Shot, Cement Squeeze Record | | | |
| Shots Per Foot | Specify Footage of Each Interval Perforated | | | (Amount and Kind of Material Used) | | Depth | |
| 2 | 1022-38' Niobrara | | | | | 1022-38' | |
| TUBING RECORD | | | | Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No | | | |
| N/A | Size | Set At | Packer at | | | | |
| Date of First Production | Producing Method | | | | | | |
| SI-WOPL | <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain)..... | | | | | | |
| Estimated Production Per 24 Hours | Oil | | Gas | | Water | | Gravity |
| | N/A Bbls | | 678 MCFD MCF | | N/A Bbls | | CFPB |

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify) 1022-38' Niobrara
 Used on Lease Dually Completed
 Commingled

BJ-TITAN SERVICES COMPANY

CUSTOMER COPY

| DATE OF JOB | | |
|-------------|----|----|
| MM | DD | YY |
| 5 | 20 | 87 |

CONTRACT NO. **281702**

15-181-20274-0000

| | | |
|---|---|---|
| DIRECT CORRESPONDENCE TO: PO. BOX 4442 HOUSTON, TX 77210 | TERMS: NET 30 DAYS FROM DATE OF CONTRACT | REMIT TO: PO. BOX 200416 HOUSTON, TX 77216 |
|---|---|---|

ORDER NO.

CUSTOMER

NAME: *TXO Production* NO.

ADDRESS:

CITY: STATE: ZIP CODE:

AUTHORIZED BY:

DESCRIPTION OF WELL

WELL NO. *1* OIL NEW STATE *KS* CODES

GAS OLD

LEASE NAME: *Schield* COUNTY/PARISH: *Shelburne*

FIELD NAME: CITY:

OWNER: *Western Hill* MTA DISTRICT:

LEASE LINES:

SURVEY LINES: *See Log & Diagram*

SURVEY:

DIRECTIONS TO LOCATION: *Goodland IN 4 E N 1/4*

SECTION, TOWNSHIP, RANGE: *33 25-33*

QUADRANT:

JOB INFORMATION

| ARRIVED | | | | RELEASED | | | | | | | |
|---------|----|---|----|----------|----|------|----|---|----|----|----|
| HH | MM | A | MM | DD | YY | HH | MM | A | MM | DD | YY |
| 5:00 | | P | 5 | 20 | 87 | 8:00 | | P | 5 | 20 | 87 |

JOB CODE: TYPE OF JOB: API OR IC NO.

AVG. PSI: BUSINESS CODE: INJ. RATE (BPM): WORKING WELL DEPTH: *1153* FT.

DIST. NO. DISTRICT NAME: *Okley KS* SLSMAN NO.

CONTRACT CONDITIONS

This contract must be signed before the job is started or merchandise delivered. The undersigned is authorized to execute this contract as an Agent of the Customer. As such, the undersigned acknowledges that this contract for services, materials, products and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional substitute terms and/or conditions shall become a part of this contract without the written consent of an Officer of BJ-TITAN SERVICES COMPANY.

SIGNED: _____ (WELL OWNER: OPERATOR, CONTRACTOR OR AGENT)

| PRICE BOOK REF. NO. | SERVICES/MATERIAL | U/M | QUANTITY | PRICE | EXTENSION |
|---------------------|----------------------|-----|----------|------------------|-----------|
| 01 10.10.0.3.05 | Price to 300 ft | ea | 1 | 370.00 | 370.00 |
| 02 10.10.0.3.10 | Below 300 ft to 1153 | ea | 853 | 41 | 349.73 |
| 03 10.10.9.0.05 | RTM | ea | 60 | 150 | 90.00 |
| 04 10.4.30.5.08 | 4 1/2 Rubber Plug | ea | 1 | 23.50 | 23.50 |
| 05 10.4.1.0.5.04 | Common | sk | 50 | 6.10 | 305.00 |
| 06 10.4.1.5.0.05 | Lite Weight | sk | 100 | 5.30 | 530.00 |
| 07 NP.4.1.5.0.48 | CPC | sk | 1 | 23.00 | 23.00 |
| 08 10.4.2.8.0.21 | Gyp Seal | sk | 3 | 13.50 | 40.50 |
| 09 10.4.2.0.1.42 | Gel | cut | 2 | 6.75 | 13.50 |
| 10 10.8.8.0.0.95 | Handling & Drilling | sk | 150 | 92 | 138.00 |
| 11 10.9.4.0.1.15 | Per Ton Misc 6.9 Ton | TMT | 414 | 68 | 281.52 |
| 12 10.4.3.3.0.13 | 4 1/2 Insert | ea | 1 | 144.90 | 144.90 |
| 13 10.4.3.3.0.50 | 4 1/2 Centralizer | ea | 3 | 42.30 | 126.90 |
| 14 | | | | STATE COMMISSION | 2436.55 |
| 15 | | | | 7/14/87 | 414.21 |
| 16 | | | | JUL 14 1987 | 2022.34 |

SERVICE REPRESENTATIVE: *Wm. [Signature]* PR. BOOK: *7*

The above material and service ordered by the Customer and received by: *Wichita, Kansas* (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

TITAN SERVICES

P.O. BOX 4442 HOUSTON, TX 77210

CEMENTING LOG

STAGE NO. _____

15-181-20274-00-08

Date 5-20-87 District Oakley Ticket No. 281702
 Company TXO Production Rig W Well Dibs
 Lease Shield Well No. 1
 County _____ State KS
 Location Goodland IN-1/4E-Nin Field _____

CEMENT DATA:

Spacer Type: _____
 Amt. _____ Sks Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type Lite Weight
 Excess _____

Amt 100 Sks Yield _____ ft³/sk Density _____ PPG

TAIL: Pump Time _____ hrs. Type Surefill
 Excess _____

Amt 50 Sks Yield _____ ft³/sk Density _____ PPG

WATER: Lead _____ gals/sk Tail _____ gals/sk Total _____ Bbls.

Pump Trucks Used CT-37

Bulk Equip. T-27 & B-14

CASING DATA: PTA Squeeze
 Surface Intermediate Production Liner
 Size 4 1/2 Type _____ Weight 10.5 Collar _____

Casing Depths: Top _____ Bottom _____

Drill Pipe: Size _____ Weight _____ Collars _____
 Open Hole: Size _____ T.D. _____ ft. P.B. to _____ ft

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. 0.189 Lin. ft./Bbl. _____
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Bbls/Lin. ft. _____ Lin. ft./Bbl. _____

Perforations: From _____ ft. to _____ ft. Amt _____

Float Equip: Manufacturer Baker

Shoe: Type _____ Depth _____

Float: Type Flexifill Depth _____

Centralizers: Quantity 3 Plugs Top _____ Btm. _____

Stage Collars _____

Special Equip. _____

Disp Fluid Type _____ Amt. _____ Bbls. Weight _____ PPG

Mud Type _____ Weight _____ PPG

COMPANY REPRESENTATIVE _____

CEMENTER JS

| TIME AM/PM | PRESSURES PSI | | FLUID PUMPED DATA | | | REMARKS |
|---------------|----------------------|---------|-------------------|---------------------------|------------------|---|
| | DRILL PIPE CASING | ANNULUS | TOTAL FLUID | Pumped Per Time Period | RATE Bbls/Min | |
| <u>5pm</u> | | | | | | <u>On Location Set up Truck</u> |
| <u>7:45pm</u> | | | | | | <u>Mix Cement & Displace plus to Insert Plug Down @</u> |
| <u>8pm</u> | | | | | | <u>Cement Did Circulate</u> |
| | | | | | | <u>16.3 Bbls Displacement</u> |
| | | | | | | |
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Thanks
JS
 STATE OF KANSAS
7/14/87
 JUL 14 1987
 COUNTY OF TOWN AND RANGE