

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

ORIGINAL

Operator: License # 5290

Name: HINKLE OIL COMPANY

Address 1016 UNION CENTER

City/State/Zip WICHITA, KANSAS 67202

Purchaser: PEOPLES NATURAL GAS

Operator Contact Person: ORVIE HOWELL

Phone (316) 267-0231

Contractor: Name: SEARCH DRILLING CO.

License: N/A

Wellsite Geologist: ORVIE HOWELL

Designate Type of Completion

New Well Re-Entry Workover
XX DEPLETED GAS WELL
 OTT SWD SIOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSM, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBDT
Commingled _____ Docket No. _____
Dual Completion _____ Docket No. _____
Other (SWD or Inj?) _____ Docket No. _____

7-26-76 8-7-76 11-16-92
Spud Date Date Reached TD Completion Date

API NO. 15- 155-20,353 -0000

County RENO

CS/2- NW - SW - Sec. 10 Twp. 22S Rge. 8 XX ^E _W

1650 Feet from S/N (circle one) Line of Section

660 Feet from E/W (circle one) Line of Section

Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or (SW) (circle one)

Lease Name SNOOK Well # 1

Field Name STERLING EXT.

Producing Formation COUNCIL GROVE, RED EAGLE, INDIAN
CAVE + STOTLER LS.

Elevation: Ground 1666 KB 1676

Total Depth 3347 PBDT NOW 1600'

Amount of Surface Pipe Set and Cemented at 254' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from N/A

feet depth to _____ w/ _____ sx cat.

Drilling Fluid Management Plan 12-16-92
(Data must be collected from the Reserve Pit)

Chloride content N/A ppm Fluid volume _____ bbls

Dewatering method used _____

Location of fluid disposal if hauled offsite: _____

Operator Name N/A

Lease Name _____ License No. _____

Quarter _____ Sec. _____ Twp. _____ S Rng. _____ E/W

County _____ Docket No. _____

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-130, 82-3-106 and 82-3-107 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 geologist well report 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.

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 Orvie Howell

Title GENERAL MANAGER/GEOLOGIST Date 11/16/92

Subscribed and sworn to before me this 16TH day of NOVEMBER, 1992.

Notary Public Melanie Freedom

Date Commission Expires FEBRUARY 10, 1996

MELODIE FREEDOM
NOTARY PUBLIC
STATE OF KANSAS
My Appt. Exp. 2-10-96

RECEIVED
K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
G Geologist Report Received
NOV 17 1992
Distribution
 KCC
 KGS
 SWD/Rep
 Plug
11-17-92
KANSAS CORPORATION COMMISSION
Wichita, Kansas
(Specify)

pl

Operator Name HINKLE OIL COMPANY Lease Name SNOOK Well # 1

Sec. 10 Twp. 22S Rge. 8 East West
 County RENO

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.)

Log Formation (Top), Depth and Datum Sample
 Name Top Datum

SEE ATTACHED WELL RECORD

List All E.Logs Run:

RAG - CDL - PFC - CBL

CASING RECORD <input checked="" 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	12 1/4	8 5/8	20#	254	COMMON	200	3% CaCl
PRODUCTION	7 7/8	4 1/2	10.5#	2626	50-50 POS	350	----

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate	NONE			
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
	SEE ATTACHED WELL RECORD		

TUBING RECORD	Size	Set At	Packer At	Liner Run
TUBING PULLED			NONE	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or In.)	Producing Method <input checked="" type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
DEPLETED GAS WELL				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio
				Gravity

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) _____

Production Interval: SEE ATTACHED WELL RECORD

HINKLE OIL COMPANY

DRILLING REPORT

WELL NAME: Orvie Howell - Sunset Motel #1 Snook
 Sterling - AC 316-278-3291 C S/2 NW SW
 Sec. 10-22S-8W
 Reno County, Kansas

CONTRACTOR: Search Drilling Co.

ELEVATION: 1666 GL 1676 RB

Sterling South Prospect

7-26-76 M.I.R.T. Set 8 5/8" surface casing @254' with 200 sx cement.
 7-27-76 KRIDER 1245 (+431) WINFIELD 1300 (+376) TOWANDA 1365 (+311)
 15 unit gas kick in Herington; 27 to 45 unit gas kick in Krider
 DST #1 (1190-1300) Open: 30" - 30" - 30" - 30". Recovery - 40' mud.
 IBHP: 152# IFP: 98# FFP: 98# FBHP: 240#.

7-28-76 Ft. Riley Zone - 1380-1390 (25 unit gas kick)
 Ft. Riley Zone - 1430-1440 (50 unit gas kick)
 DST #2(1378-1445) Open: 35" - 30" - 140" - 45" Gas to surface 42" of
 second open period. 10 minute gauges:

10"	8.8 MCF
20"	9.31 MCF
30"	10.5 MCF
40"	10.9 MCF
50"	11.9 MCF
60"	12.5 MCF
70"	13.3 MCF

7-29-76 Recovery: 110' gassy mud. IBHP: 458# IFP: 65# FFP: 109# FBHP: 458#
 BASE FLORENCE FLINT 1510 (+166) RED EAGLE LIMESTONE 1860 (-184) Porosity
 1860/75 - 150 gas units. DST #3 (1850-81) Open: 30" - 30" - 40" - 30"
 Gas to surface in five minutes. Initial Opening

10"	654 MCF
20"	654 MCF
30"	654 MCF

2nd Opening

10"	709 MCF
20"	709 MCF
30"	709 MCF

Recovery - 62' gassy mud. IBHP: 717# IFP: 131# FFP: 196# FBHP: 696#
 Shut down to replace drawworks jump-out clutch.

7-30-76 INDIAN CAVE SAND ZONE 2005 (-329) Zone from 2005-2030 - 70 unit gas
 kick. DST #4 (1995-2035) Open: 30" - 30" - 30" - 30"; Gas to surface
 in one minute. Initial Opening

10"	1,886 MCF
20"	1,949 MCF
30"	1,949 MCF

NOV 17 1972

SEARCH DIVISION
 ST. LOUIS, KANSAS

7-30-76

2nd Opening

10"	2,075 MCF
20"	2,075 MCF
30"	2,075 MCF

Recovered 100' gas cut mud. IBHP: 782# IFP: 480 FFP: 545# FBHP: 782#

7-31-76

STOTLER LIMESTONE 2148 (-472) DST #5 (2158-2200) Open: 45" - 30" - 45" - 30"; gas to surface in 15 minutes.

Initial Opening

10"	34.3 MCF
20"	41.0 MCF
30"	41.0 MCF

2nd Opening

10"	47.7 MCF
20"	47.7 MCF
30"	47.7 MCF

Recovery: 30' mud. IBHP: 739# IFP: 43# FFP: 65# FBHP: 631#
TARKIO LIMESTONE 2215 (-539) HOWARD LIMESTONE 2370 (-694) SEVERY SAND zone 2450 (-774). Lost circulation @2469'. Severy sand zone very shaley; no clean sand developed in samples.

8-1-76

TOPEKA 2480 (-804) Upper Topeka porosity (Abbyville) 2515-2530; no porosity developed, appears to be all chalk. Lower Topeka porosity zone - 2720-2735 - fair porosity, abundance of gas bubbles, spotted fluorescence, scattered stain, 5 gas units.

8-2-76

DST #6 (2710-2748) Open: 30" - 30" - 60" - 30"; strong blow throughout. Recovery: 270' gassy muddy water. IBHP: 1082# IFP: 65# FFP: 152# FBHP: 1040#.

8-3-76

HEEBNER 2785 (-1109) 12' high to dry hole 330' west. BROWN LIME 2938 (-1262) 11' high to dry hole 330' west. Ø2943'.

8-4-76

LANSING 2960 (-1284) Porosity 3169-76, fair show of oil. DST #7 (3158-82) Open: 30" - 30"; Recovery: 20' mud. IFP 43# FFP 43#, FBHP 1168#.

8-5-76

DST #8 (3204-3258) Open 30" Shut In 30"; recovered 10' mud. IFP: 43# FFP: 43# FBHP: 131# Ø3258'.

8-6-76

RTD 3346 (-1670). Running Log. LOG TOPS:

Herington	1200 (+ 476)	Tarkio Limestone	2217 (- 541)
Krider	1246 (+ 430)	Howard	2369 (- 693)
Winfield	1300 (+ 376)	Severy Sand	2433 (- 757)
Towanda	1370 (+ 306)	Topeka	2481 (- 805)
Ft. Riley	1410 (+ 266)	Heebner	2786 (-1110)
Base Florence Flint	1508 (+ 168)	Douglas	2811 (-1135)
Red Eagle	1862 (- 186)	Brown Lime	2939 (-1263)
Indian Cave Sand Zone	1997 (- 321)	Lansing	2964 (-1288)
Indian Cave Sand	2002 (- 326)	Base Kansas City	3294 (-1618)
Base Indian Cave Sand	2028 (- 352)	Kinderhook	3340 (-1664)
Stotler	2150 (- 474)	Log TD	3347 (-1671)

Running Casing.

8-7-76

Set 4½" 10.5# J-55 production casing @2616' w/350 sacks 50-50 posmix cement W.O.C.T.

NOV 17 1976
KON DIVISION

COMPLETION REPORT

- 9-22-76 Moving in Peters Drilling Cable Tools
- 9-23-76 Ran G. Ray Collar Locator Log. PBD 2572½. Perforated Severy Sand 2448-52 and 2434-44 with 3 shots per foot. Swb. down. Swb. 4.8 BSW/Hr. 2 Hrs.
- 9-24-76 1700' salt water in hole overnight. No show oil or gas. Set Baker Bridge Plug @2256'. Perforated Stotler 2166-2174, Indian Cave Sand 2019-2024 and 2004-2010 with 3 shots per foot. Ran tubing with Baker Model A Production Packer. Hung Packer in hole @2130. Bottom of tubing @2162. Swabbed well down. Well kicked off and flowed to pits. Water free gas in 40 minutes. Set Production Packer @2130'. Shut in annulus pressure 680 PSI in 15 minutes. Shut in tubing pressure 30 PSI in 5 minutes. Acidized Stotler with 500 gallons acid. Recovered load.
- 9-25-76 7:00 a.m. SICP 730#; SITP 690#. Flow tubing to pits. Gauged 176,000 CFGPD. Acidized with 3,000 gallons. Flowed back to pits. Did not have to swab. Recovered most of load in 1½ hours. Some moisture still in gas. No free water. Gauged 310,000 CFGPD thru 2" line. Shut in tubing.

INDIAN CAVE TEST (ANNULUS)

<u>Choke</u>	<u>Gauge</u>
1/4"	1,450 MCF
1/2"	1,710 MCF
3/4"	1,790 MCF - No Moisture

- 9-26-76 Shut Down - Sunday
- 9-27-76 Shut Down - Mud.
- 9-28-76 Testing complete. Moved out Cable Tools. Waiting on Four Point Calculated Open Flow Test. SITP 750 PSIG, SCIP 730 PSIG.

HINKLE OIL COMPANY

Page 4

DRILLING REPORT

WELL NAME: HINKLE OIL COMPANY

#1 SNOOK
C S/2 NW SW
Sec. 10-22S-8W
Reno County, Kansas

CONTRACTOR:

ELEVATION:

WORKOVER REPORT

8-8-83 Rigged up, shut down.
8-9-83 Pulled rods and tubing. Ran tubing; tested in hole - okay, no leaks or breaks. Pulled tubing. Dresser Atlas on location and perforated RED EAGLE LIMESTONE 1864-68 with 3 Jumbo Jet shots per foot. After perforating; back on. Shut down.
8-10-83 SICP: 480#. Killed well with 35 barrels water. Set wireline Bridge Plug @1925'. Ran Tubing to 1866'. Seating Nipple 1 jt off bottom. Acidized with 500 gals. acid. Started treating at 1/4 BPM @450#. Increased to 5 BPM @850#. ISDP: 250#. On vacuum in 15 minutes. Blew back through 2" tubing. Flowing Casing Pressure: 450# in 1.5 hours. Estimated 2500 MCFGPD.
8-11-83 SITP: 690#, SICP: 690#. Released unit. Connected well back up to separator.

WORKOVER COMPLETE

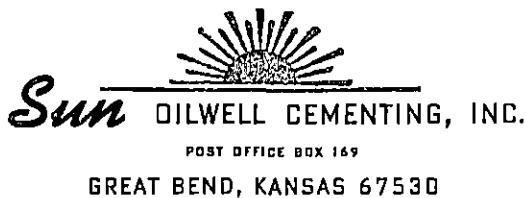
11-23-88 Well would not sustain natural flow due to low pressure and water production. Moved in pulling unit. Lowered tubing string one joint. Ran pump and rods. Set good used Witte engine on unit, connected well up to sell gas thru the annulus and to pump off fluid thru the tubing.
8-16-90 Working Fluid Level 1880' from surface. Well pumped off.
8-24-90 72 Hour Shut In Test - Casing pressure 140#, Shut In Tubing pressure 120#.
9-11-90 Red Eagle Zone depleted. CP 48#. MIPU. Pulled Tubing and Rods. Set RBP @1839'. Ran Cement Bond Log. Top of cement @1184'. Perforated COUNCIL GROVE 1623-26 with 4 shots per foot. Ran Tubing and Packer. Set packer @1640'. Tested RBP and Tubing to 2000#. Held OK. Set packer @1617'. Spotted acid on bottom. Treated with 500 gallons 15% acid. MP: 650#, AIR: 3 BPM @500#, ISDP: 300# - 50#/5 minutes. Total Load 33 barrels. Well flowed back 24/33 bbl. load with very good show of gas. Last 1 Hour flow rate = 5 BF. Shut in overnight.
9-12-90 Shut in Tubing pressure 510#. Killed well. Pulled Packer and Plug. Set CIBP @1700'. Ran 52 jts. tubing + Seating Nipple. Seating Nipple @1615.39'. Base Tubing @1647.17'. Retreated with 2000 gallons 15% acid + 10 Bbls. overflush. MP: 550#, AIR: 3.5 BPM @550#, ISDP: 300# - 50#/5 minutes. Ran 1 1/2" insert pump and rods. Released unit.
ZONE NOW OPEN TO PRODUCTION - COUNCIL GROVE 1623-1626.

WORKOVER COMPLETE

- 11-4-92 PLP 165#, SICP 165#. Well will not sell gas against pipeline pressure without compression. Took Stabilized Flow Test, tested 37 MCFGPD @20 psig with approximately 20 BWPD.
- 11-9-92 Moved in DS&W Pulling Unit. Pulled tubing and rods. Check TD @1700'. Set CIBP @1600', loaded hole. Perforated FT. RILEY 1465-75 with 3 SPF. Ran 46 jts. tubing + 8' sub + Seating Nipple 1 joint off bottom. Base Tubing @1463.03'. Swabbed down, tested dry.
- 11-10-92 Treated with 500 gallons 28% NE Acid. Maximum Pressure 1100#, Treating Pressure 1100#, AIR 7 BPM, ISDP 500#. On vacuum in 10 minutes. Recovered 40.32/34 Bbl. load. Swab test - 1st Hr., 17.52 BW, 2nd Hr. 15.75 BW. SION
- 11-11-92 SITP 420# @9:00 A.M. Blew down, No Volume. Pulled Tubing. Loaded hole. Set CIBP @1455'. Perforated Upper Ft. Riley 1431-1438' with 3 SPF. Ran 45 jts. Tubing + 8' Sub. Top Seating Nipple one joint off bottom. Base Tubing @ 1432'. Swabbed down. Dry. Treated with 500 gals. NEA. Broke @350#. Treating Pressure 1100#, AIR 6 BPM. ISDP 400#, 50#/15 minutes. Recovered 14.4/34 Bbl. load. SION.
- 11-12-92 SITP 180# @9:00 A.M. Swabbed down. Recovered load. 1 Hr. Test 1.44 BW, show of gas, TSTM. Non-commercial. Perforated Towanda 1381-1388 and Winfield 1304-1314 and 1322-1324' with 3 SPF. Ran tubing, RBP and Tension Packer. Set RBP @1402'. Packer @1365'. SION.
- 11-13-92 TP 350#, CP 80# @9:00 A.M. Treated perms with 500 gallons 28% NEA. Broke @850#. Treating Pressure 850#, AIR 6 BPM, ISDP 350#, 150#/10 minutes. Swabbed down. Recovered 20.64/19 Bbl. load. Show of gas. TSTM. Non-Commercial. Reset RBP @1339. Tested Packer and plug in blank pipe to 1000#. Set Packer @1294'. Swabbed down. Good show of gas. Swabbed 7.68 BWP/2 Hrs. SION.
- 11-16-92 SITP 410#, SICP 10# @9:00 A.M. Blew down. No Volume. Not Commercial. Will Plug and Abandon.

WORKOVER COMPLETE

Truck No. 19
District GB



ORIGINAL

DATE 7-26-76

Charge To
Hinkle Oil Company
1016 Union Center
Wichita, Kansas 67202

FOR CUSTOMER USE ONLY	
Register No.	Voucher No.
Terms Approved	Price Approved
Calculations Checked	
Adjustments	
Accounting Distribution	
Audited	Final Approval

Your Order No. _____ Owner Same
Requisition No. _____ Contractor Search Drlg.

Well No. 1 Depth 254 Farm Snook Size Casing 8 5/8 County Reno Sec. 10 Twp. 22 Rge. 8

All Accounts Will Bear 9% Interest After 60 Days.

	AMOUNT
EQUIPMENT CHARGE Surface Casing 300-201	\$250.00
EQUIPMENT CHARGE	
Bulk Cement .....200..... Sacks @2.275.....	302-201 550.00
Ca. Cl. ....564..... Pounds @11.....	310-201 62.04
Amon. Cl. Pounds @	
Salt Pounds @	
Gel .....376..... Pounds @3.90.....	314-201 14.66
Bulk Cement Sacks @	
Ca. Cl. Pounds @	
Amon. Cl. Pounds @	
Salt Pounds @	
Gel Pounds @	
Pozmix Sacks @	
Ca. Cl. Pounds @	
Amon. Cl. Pounds @	
Salt Pounds @	
Gel Pounds @	
Lite Wate Cement Sacks @	
Plugs Size	
Handling and Dumping ...200... Cu. Ft. @ ...52...	316-201 104.00
Hauling .....9.9. Tons .....47... Mileage @ ...34...	318-201 158.20

205-314-01
A/C ~~907-01~~

OT*

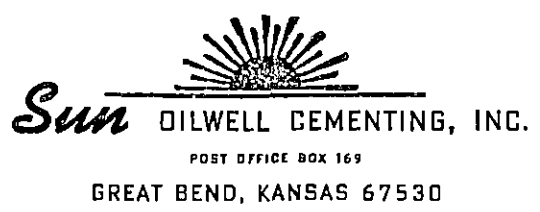
SALES TAX

INVOICE TOTAL

\$1138.90

When Remitting Please Give Our Invoice Number

Truck No. B829
District G. B.



ORIGINAL

FOR CUSTOMER USE ONLY

Register No.	Voucher No.
Terms Approved	Price Approved
Calculations Checked	
Adjustments	
Accounting Distribution	
Audited	Final Approval

DATE 8/6/76

Charge To

Hinkle Oil Company
1016 Union Center
Wichita, Kansas 67202

Your Order No. _____ Owner Same
Requisition No. _____ Contractor Search Drilling

Well No. 1 Depth 2631 Farm Snook Size Casing 4 1/2 County Reno Sec. 10 Twp. 22 Rge. 8

All Accounts Will Bear 9% Interest After 60 Days.

AMOUNT

EQUIPMENT CHARGE	Production Casing	300-201	598.00
EQUIPMENT CHARGE			
Bulk Cement	.....175..... Sacks @2.78..	302-201	486.50
Ca. Cl.	..... Pounds @		
Amon. Cl.	..... Pounds @		
Salt	.....2940..... Pounds @3.00..	308-201	88.20
Gel	.....588..... Pounds @3.90..	314-201	22.93
Gilsonite	2800 .17	320-201	476.00
Bulk Cement	..... Sacks @		
Ca. Cl.	..... Pounds @		
Amon. Cl.	..... Pounds @		
Salt	..... Pounds @		
Gel	..... Pounds @		
Pozmix	.....175..... Sacks @1.12..	306-201	196.00
Ca. Cl.	..... Pounds @		
Amon. Cl.	..... Pounds @		
Salt	..... Pounds @		
Gel	..... Pounds @		
Lite Wate Cement	..... Sacks @		
Plugs	.....1..... Size 4 1/2..... Rubber 14.00	322-201	14.00
Handling and Dumping	.....350.... Cu. Ft. @ .55....	316-201	192.50
Hauling	.....17.9... Tons .....47.... Mileage @ XXX-36	318-201	302.87

205
A/C 907-07
#1 Snook

SALES TAX .42

When Remitting Please Give Our Invoice Number

INVOICE TOTAL

2377.42