

STATE CORPORATION COMMISSION OF KANSAS
OIL & GAS CONSERVATION DIVISIONWELL COMPLETION OR RECOMPLETION FORM
ACO-1 WELL HISTORY

DESCRIPTION OF WELL AND LEASE

Operator: License # 4063
 Name Seaker Oil, Inc.
 Address 3601 Southwest 29th
 Suite 131
 City/State/Zip Topeka, KS 66614

Purchaser N/A
 N/A

Operator Contact Person Doug Adams
 Phone (913) 272-2585

Contractor: License # 8509
 Name Evans Energy Development Corp.

Wellsite Geologist None
 Phone N/A

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover

☒ Oil ☐ SWD ☐ Temp Abd
☐ Gas ☐ Inj ☐ Delayed Comp.
☐ Dry ☐ Other (Core, Water Supply etc.)

If OWWO: old well info as follows:

Operator
 Well Name
 Comp. Date Old Total Depth

WELL HISTORY

Drilling Method:

☐ Mud Rotary ☒ Air Rotary ☐ Cable

9/27/85... 10/1/85... 11/1/85...
 Spud Date Date Reached TD Completion Date
 680!... 700!...
 Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 20.2 feet
 Multiple Stage Cementing Collar Used? ☐ Yes ☒ No
 If yes, show depth set. N/A feet
 If alternate 2 completion, cement circulated
 from 20.1 feet depth to Surf. w/ 5.5X cmt

API NO. 15-059-24-048

County Franklin

NW SW SE Sec 21 Twp 16 Rge 21 ☒ East
☐ West

990 Ft North from Southeast Corner of Section
 2310 Ft West from Southeast Corner of Section

(Note: Locate well in section plat below)

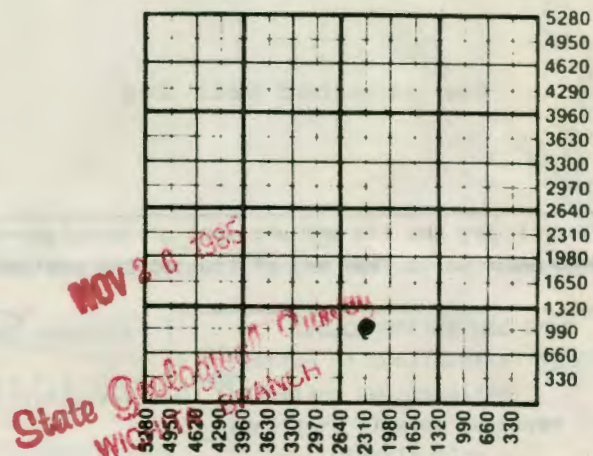
Lease Name Helm Well # 1

Field Name Paola-Rantoul

Producing Formation Upper Squirrel

Elevation: Ground 970 KB 974

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 #

☐ 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) Furnished by Rig
 (purchased from city, R.W.D. #)

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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 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.

SIDE TWO

Operator Name Seeker Oil, Inc. Lease Name Helm Well # 1Sec. 21 Twp. 16 Rge. 21 ☒ East ☐ West County Franklin

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

See attached well log

See attached Geology Report

	Oil	Gas	Water	Gas-Oil Ratio	Gravity
Estimated Production Per 24 Hours	$\frac{1}{4}$ Bbls	Slight MCF	1 Bbls	Slight	32

METHOD OF COMPLETION

Production Interval

Disposition of gas: ☐ Vented ☐ Open Hole ☒ Perforation
☐ Sold ☐ Other (Specify)
☒ Used on Lease

603-606

CASING RECORD ☒ New ☐ 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	8"	7"	17	20.1'	Comm.	5	None
Casing	6 1/4"	2 7/8	6.4	645.3'	Comm.	90	3% Gel 10% Salt 1/4 #flocdele per sk.
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot Specify Footage of Each Interval Perforated				(Amount and Kind of Material Used) Depth			
7 From 603 to 606				Fracture 603-606			
				4628 Gallons of Terra Frac T-3			
				800 lbs. KCl 14 gal. Clatrol-4			
				1 gal. GBW-11 5 gal. N.E.			
				7346 lbs. 20/40 sand			
TUBING RECORD		Size 1"	Set At 600'	Packer at None	Liner Run No	☐ Yes ☒ No	
Date of First Production		Producing Method					
11/1/85		☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (explain).....					

EVANS ENERGY DEVELOPMENT,
SUITE 11 PROFESSIONAL BLD
401 S MAIN
OTTAWA, KS 66067

21-16-21E
NWSWSE

WELL LOG
HELM #1 ✓
SEEKER OIL, INC

9/27 - 10/1/85

THICKNESS OF STRATA	FORMATION	TOTAL	
2	SOIL & CLAY	2	
30	LIME	32	
18	SHALE	50	
3	LIME	53	
10	SHALE	63	
17	LIME	80	
83	SHALE	163	LANE
21	LIME	184	IOLA
28	SHALE	212	
4	LIME	216	
16	SHALE	232	OIL ODOR SAND L
3	SANDY SHALE	235	
8	SAND	243	OIL SHOW GAS
5	SHALE	248	
8	LIME	256	
2	SHALE	258	
2	LIME	260	
16	SHALE	276	
22	LIME	298	
8	SHALE	306	
21	LIME	327	
4	SHALE	331	
13	LIME	344	HERTHA
102	SHALE	446	
6	SAND	452	SL OIL SHOW
35	SHALE	487	
14	LIME	501	
42	SHALE	543	WH SANDY TOP
6	LIME	549	
15	SHALE	564	GREY
3	LIME	567	HARD BROWN
3	COAL	570	
6	SHALE	576	BLACK
5	LIME	581	
8	SHALE	589	GREY
2	LIME	591	HARD
4	SHALE	595	DK GREY LIME ST
2	COAL	597	
3	SHALE	600	DARK
3	SANDY SHALE	603	WHITE
2	BROKEN SAND	605	BR SAND WH SHAL
4	SOLID SAND	609	CORE
10	BROKEN SAND	619	6 IN HEAVY OIL
30	SHALE	648	

RECEIVED
STATE CORPORATION COMMISSION

NOV 25 1985

CONSERVATION DIVISION
Wichita, Kansas

NOV 26 1985

State Geological Survey

WICHITA BRANCH

Helms #

(21-16-21E)

02

1	LIME	649	
9	SHALE	658	
2	BROKEN SAND	660	
3	BROKEN SAND	663	
8	SHALE	671	
2	BROKEN SAND	673	
7	SHALE	680	T.D.

SET 20.1' SURFACE CASING

SET 645.3' 2 7/8 10 RD

STARTED CORE AT 605'

1	2:39 - 2:40	1 MIN.	606
2	2:40 - 2:41	3/4 MIN.	607
3	2:41 - 2:42	1/2 MIN.	608
4	2:42 - 2:43	3/4 MIN.	609
5	2:43 - 2:43	3/4 MIN.	610
6	2:43 - 2:44	1 MIN.	611
7	2:44 - 2:45	3/4 MIN.	612
8	2:45 - 2:46	1 MIN.	613
9	2:46 - 2:47	1 1/4 MIN.	614
10	2:47 - 2:49	1 1/4 MIN.	615
11	2:49 - 2:50	1 1/4 MIN.	616
12	2:50 - 2:51	1 1/4 MIN.	617
13	2:51 - 2:52	1 MIN.	618
14	2:52 - 2:53	1 1/4 MIN.	619
15	2:53 - 2:55	1 1/2 MIN.	620
16	2:55 - 2:56	1 1/4 MIN.	621
17	2:56 - 2:58	1 1/4 MIN.	622
18	2:58 - 2:59	1 1/4 MIN.	623
19	2:55 - 3:00	1 1/4 MIN.	624
20	3:00 - 3:01	1 1/4 MIN.	625

STARTED CORE AT 660'

1	5:35 - 5:35	3/4 MIN.	661
2	5:35 - 5:36	3/4 MIN.	662
3	5:36 - 5:37	1 MIN.	663
4	5:37 - 5:38	1 MIN.	664
5	5:38 - 5:39	3/4 MIN.	665
6	5:39 - 5:40	1 1/4 MIN.	666
7	5:40 - 5:41	1 1/4 MIN.	667
8	5:41 - 5:43	1 1/2 MIN.	668
9	5:43 - 5:44	1 1/4 MIN.	669
10	5:44 - 5:46	1 1/2 MIN.	670
11	5:46 - 5:47	1 1/4 MIN.	671
12	5:47 - 5:48	1 MIN.	672
13	5:48 - 5:49	1 MIN.	673
14	5:49 - 5:50	1 MIN.	674
15	5:50 - 5:51	1 MIN.	675
16	5:51 - 5:52	1 MIN.	676
17	5:52 - 5:53	1 1/4 MIN.	677
18	5:53 - 5:54	1 MIN.	678
19	5:54 - 5:55	1 MIN.	679
20	5:55 - 5:56	1 1/4 MIN.	680

NOV 26 1985

State Geological Survey
WICHITA BRANCH

George E. Petersen, c.p.g.s.
consulting geologist



3223 Mc Clure Rd.
Topeka, Kansas 66614 913.272.4383

October 9, 1985

Helm #1

31-16-21E

Seeker Oil, Inc.
3601 SW 29th, Suite 131
Topeka, Kansas 66614

Dear Sirs:

At the request of Mr. Doug Adams of your firm I have examined the samples, core and electric logs from the Helm #1, which was recently drilled in the NW4, SW4, SE4 of Sec. 21, T16S, R21E, Franklin County, Kansas.

Sample descriptions for the drilled and cored interval are shown on the attached pages. Samples were not caught through the entire drilled interval; however, samples and cores were caught through the potential producing intervals.

There are two intervals in this well that appear to have the potential to produce oil and/or gas. Interval one lies between a log depth of 229 to 241 (twelve feet). The second interval was found at a log depth of 602 to 618 (sixteen feet).

The upper sand (229-241) lies in the Chanute Shale Section and is probably the "Noxie Sandstone". Samples from this interval were a poorly sorted fine to medium grained subrounded quartz sandstone. The fresh samples which were examined at the wellsite had a strong odor, a good show of light to medium brown oil. Gas was also observed coming from the samples. Subsequent examination of the samples on October 7, 1985 showed a good oil stain and 80% fluorescence in the samples. Application of trichlorethane, a solvent, to the samples yielded a light oil cut.

Log calculations for this interval were prepared on location by Mr. Glenn Schmeidler of Log-Tech Inc. using the following values: $M=1.8$, $Rw=.2$.

Interval	ϕ	Rt	Sw
230-32	18	15	63
32-34	22	13	56
34-36	22	15	52
36-38	18	15	63
38-240	15	15	80

NOV 26 1985
State Geological Survey
WICHITA BRANCH

Based on the samples and log calculations, it is recommended that this sand be perforated and tested for oil production at some future date.



professional geologists

Helms #1

21-16-21E

PL

-2

The lower sand interval from a log depth of 602 to 618 is commonly called the "Squirrel Sand" and is found in the uppermost portion of the Cherokee Shale Section. Samples and core returns from this portion of the well were examined and described on the attached page. In addition, portions of the core were broken and examined further on October 7, 1985.

As in the upper sand which was previously discussed, fresh samples at the well site contained a good show of free oil, a strong odor and indications of the presence of gas. The dried samples had some evidence of oil staining and good fluorescence. The application of trichlorethane yielded light oil cuts and bright yellow fluorescence.

This sand is laminated and contains shale and mica. Any treatment to increase production should contain some sort of clay stabilization additive to reduce formation damage.

Log calculations for this interval were also prepared by Mr. Schmeidler while on location using the following values: $M=1.8$, $R_w=.2$.

Interval	ϕ	Rt	Sw
602-04	12	16	75
04-06	12	16	75
06-08	10	10	100
08-10	10	7	100
10-12	10	7	100
12-14	11	7	100

NOV 26 1985

Based on the show of oil in the samples and the reported show of gas at the well site as well as the Sw values calculated from the logs, it appears that the Squirrel has the potential to produce commercial quantities of oil and/or gas. There is an apparent gas effect shown on the Neutron-Density Porosity Log between 600 and 604 (Log Depth) and between 612 and 616. The location of the perforated interval will probably determine whether gas or oil will be the primary production from this well. It is recommended that the sand be perforated just below the apparent upper gas cap to allow for an attempt at oil production. There is a strong probability that substantial water may also be produced from this zone.

The sands containing oil and gas in this area have a very high shale content and care should be exercised in all completion practices to minimize the destabilization and movement of the clay particles which can block and reduce the effective permeability of the existing sand body.

Sincerely,

George E. Petersen
George E. Petersen C.P.G.S.
DEACON Geology Inc.



mrp/GEP