

STATE CORPORATION COMMISSION OF KANSAS  
 OIL & GAS CONSERVATION DIVISION  
 WELL COMPLETION &  
 ALO-1 WELL HISTORICAL  
 DESCRIPTION OF WELL AND LEASE

Operator License # 31900  
 Name: Nor-West Kansas Oil, L.L.C.  
 Address R.R. # 2, Box 14  
 City/State/Zip Wakeeney, Kansas 67672  
 Purchaser: \_\_\_\_\_  
 Operator Contact Person: Patrick Wanker  
 Phone (913) 743-2769  
 Contractor Name: Discovery Drilling, Inc.  
 License: 31548  
 Wellsite Geologist: Mark Torr

Designate Type of Completion  
 New Well  Re-Entry  Workover  
 Oil  SW  S1W  Temp. Abd.  
 Gas  E1W  S1W  
 Dry  Other (Core, WSV, Expl., Cathodic, etc)

If Workover:  
 Operator: \_\_\_\_\_  
 Well Name: \_\_\_\_\_  
 Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_  
 Deepening  Re-perf.  Conv. to (S)/SW  
 Plug Back  PBID  
 Cemented  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (S/W or I/J) Docket No. \_\_\_\_\_  
 10/9/96 \_\_\_\_\_ 10/16/96 \_\_\_\_\_ 10/17/96 \_\_\_\_\_  
 Spud Date Date Reached ID Completion Date

API NO. 15- 109-20634 0000 ORIGINAL

County Le  
 APPROX SW-SW - NW Sec. 4 Twp. 13S Rge. 33W  
2930 feet from S (circle one) Line of Section  
350 feet from E (circle one) Line of Section

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

Lease Name L.A. Hess Well # 1  
 Field Name Wildcat

Producing formation None  
 Elevations: Ground 3041 KB 3049  
 Total Depth 4680' PBID \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 209.86 feet  
 Multiple Stage Cementing Collar Used?  Yes  No  
 If yes, show depth set \_\_\_\_\_ feet

If Alternate II completion, cement circulated from \_\_\_\_\_  
 feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ or emt.

Drilling Fluid Management Plan P4-A 3-5-98 U.C.  
 (Data must be collected from the Reserve Pit)

Chloride content 18,000 ppm fluid volume 3000 bbl

Deaerating method used Evaporation  
 Location of fluid disposal if hauled offsite \_\_\_\_\_

Operator Name \_\_\_\_\_  
 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, 130 S. Market - Room 2078, Wichita, Kansas 67202, within 120 days of the spud date, recompletion, workover or conversion of a well. Rule 82-3-150, 82-3-106 and 82-3-107 apply. Information on slide 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 DOCUMENT 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 Patrick Wanker  
 Title Operator Date 12/17/96  
 Subscribed and sworn to before me this 17th day of December, 19 96.  
 Notary Public Mary Ann Schneider  
 Date Commission Expires 9/9/2000

K.C.C. OFFICE USE ONLY		
<input type="checkbox"/>	Letter of Confidentiality Attached	
<input checked="" type="checkbox"/>	Wireline Log Received	
<input checked="" type="checkbox"/>	Geologist Report Received	
Distribution:		
<input type="checkbox"/>	KCC	<input type="checkbox"/>
<input type="checkbox"/>	ROS	SIW/Rep
		Plug
		NOPA
		Other (Specify)

Form AGU-1 (7-91)

9/9/2000

12-20-1996

Lease Name L.A. Hess County Logan Well #         

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

Drill Stem Tests taken (Attach Additional Sheets.)  Yes  No

Samples Sent to Geological Survey  Yes  No

Cores taken  Yes  No

Electric Log Run (Submit Copy.)  Yes  No

List All E. Log Run

*Radiation Guard Log*

Name	Top	Bottom
Anhydrite	2502	+547
Heebner	3940	-891
Toronto	3961	-912
L-KC	3985	-936
Stark	4236	-1187
Base KC	4296	-1247
Fort Scott	4493	-1444
JoZone	4565	-1516
Miss	4663	-1614
	4681	-1632

**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 Additive
Surface Pipe	12 1/4	8 5/8	20#	209.86	60/40 Poz	140	2% Gel & 3%

**ADDITIONAL CEMENTING/SQUEEZE RECORD**

Purpose	Depth Top Bottom	Type of Cement	# Sacks Used	Type and Percent Additives
Perforate				
Protect Casing				
Plug Back to				
Plug Off Zone				

Shots Per Foot	PERFORATION RECORD - Bridge Plug Set/type Specify footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	
		Amount	Depth

**CASING RECORD** Size          Set At          Packer At          Liner Run  Yes  No

Date of first, reported production, SW or inj.   P&A   Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gray
	<u>  N-A  </u>				

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 \_\_\_\_\_

# ALLIED CEMENTING CO., INC.

6909

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

ORIGINAL

SERVICE POINT:

Oakley

DATE <u>10-17-96</u>	SEC. <u>4</u>	TWP. <u>13</u>	RANGE <u>33</u>	CALLED OUT	ON LOCATION <u>3:30 AM</u>	JOB START <u>6:15 AM</u>	JOB FINISH <u>10:00 AM</u>
L.A. LEASE <u>Hess</u>	WELL # <u>1</u>	LOCATION <u>Oakley 11-5-8-6-945</u>			COUNTY <u>Logan</u>	STATE <u>Kan</u>	

OLD OR NEW (Circle one)

CONTRACTOR Discovery Dels #2  
 TYPE OF JOB PTA  
 HOLE SIZE 7 7/8 T.D. 4680'  
 CASING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. \_\_\_\_\_  
 PERFS. \_\_\_\_\_

OWNER Same  
 CEMENT

AMOUNT ORDERED 200 SKs 60/40 per  
6% Cel, 3% CC, 1/4" Flo-Seal

COMMON	<u>120 SKs</u>	@	<u>7.20</u>	<u>864.00</u>
POZMIX	<u>80 SKs</u>	@	<u>3.15</u>	<u>252.00</u>
GEL	<u>10 SKs</u>	@	<u>9.50</u>	<u>95.00</u>
CHLORIDE	<u>6 SKs</u>	@	<u>28.00</u>	<u>168.00</u>
	<u>Flo-Seal 50#</u>	@	<u>1.15</u>	<u>57.50</u>
		@		
		@		
		@		
		@		
HANDLING	<u>200 SKs</u>	@	<u>1.05</u>	<u>210.00</u>
MILEAGE	<u>4¢ per sk/mile</u>			<u>140.00</u>

EQUIPMENT

PUMP TRUCK CEMENTER Walt  
 # 102 HELPER Walt  
 BULK TRUCK  
 # 212 DRIVER Wayne  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

TOTAL 1,806.50

REMARKS:

25 SKs @ 2500' ✓  
100 SKs @ 1600'  
40 SKs @ 260'  
10 SKs @ 40'  
10 SKs in m.H.  
15 SKs in R.H.  
That's for

SERVICE

DEPTH OF JOB \_\_\_\_\_  
 PUMP TRUCK CHARGE \_\_\_\_\_ 550.00  
 EXTRA FOOTAGE @ \_\_\_\_\_  
 MILEAGE 20-miles @ 2.85 57.00  
 PLUG 8 5/8 D.H. @ 23.00  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_

TOTAL 630.00

CHARGE TO: Nor-West Ks Oil  
 STREET RR #2 Box 14  
 CITY Wakarusa STATE Kan ZIP 67672

FLOAT EQUIPMENT

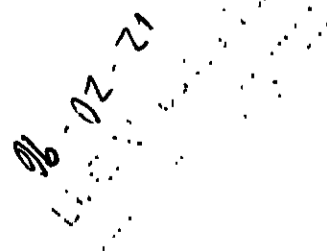
@ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_  
 @ \_\_\_\_\_

TOTAL \_\_\_\_\_

To Allied Cementing Co., Inc.  
 You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Thomas

TAX \_\_\_\_\_  
 TOTAL CHARGE \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS



15-109-20634-00-00

# ALLIED CEMENTING CO., INC. 6943

COMMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

## ORIGINAL

SERVICE POINT: Oakley

DATE <u>10-9-96</u>	SEC. <u>4</u>	TWP. <u>13</u>	RANGE <u>33</u>	CALLED OUT	ON LOCATION <u>7:30 PM</u>	JOB START	JOB FINISH <u>10:15 PM</u>
L.A. LEASE <u>Hess</u>	WELL # <u>1</u>	LOCATION <u>Oakley 11S-8W-3/4S</u>			COUNTY <u>Logan</u>	STATE <u>Kan</u>	

OLD OR NEW (Circle one)

CONTRACTOR Discovery Drls #2

TYPE OF JOB Surface

HOLE SIZE 12 1/4 T.D. 212'

CASING SIZE 8 5/8 DEPTH 209'

TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_

DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_

TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_

PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_

MEAS. LINE \_\_\_\_\_ SHOE JOINT 8

CEMENT LEFT IN CSG. 15'

PERFS. \_\_\_\_\_

OWNER Same

CEMENT

AMOUNT ORDERED 145 SKs 60/40 per  
3% CC - 2% Gel

COMMON	<u>87</u> SKs	@	<u>7.20</u>	<u>626.40</u>
POZMIX	<u>58</u> SKs	@	<u>3.15</u>	<u>182.70</u>
GEL	<u>3</u> SKs	@	<u>9.50</u>	<u>28.50</u>
CHLORIDE	<u>5</u> SKs	@	<u>28.00</u>	<u>140.00</u>
		@		
		@		
		@		
		@		
		@		
HANDLING	<u>145</u> SKs	@	<u>1.05</u>	<u>152.25</u>
MILEAGE	<u>44</u> per sk/mile			<u>116.00</u>

TOTAL 1,245.00

### EQUIPMENT

PUMP TRUCK CEMENTER Walt

# 102 HELPER Walt

BULK TRUCK

# 212 DRIVER Dean

BULK TRUCK

# \_\_\_\_\_ DRIVER \_\_\_\_\_

### REMARKS:

\_\_\_\_\_

\_\_\_\_\_

Cement Did Circ ✓

\_\_\_\_\_

\_\_\_\_\_

### SERVICE

DEPTH OF JOB 209'

PUMP TRUCK CHARGE \_\_\_\_\_ 445.00

EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_

MILEAGE 20 - miles @ 2.85 57.00

PLUG 8 5/8 Wooden @ \_\_\_\_\_ 45.00

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL 547.00

CHARGE TO: Nor-West Kansas Oil Inc.

STREET \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

### FLOAT EQUIPMENT

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

\_\_\_\_\_ @ \_\_\_\_\_

TOTAL \_\_\_\_\_

TAX \_\_\_\_\_

TOTAL CHARGE \_\_\_\_\_

DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS

To Allied Cementing Co., Inc.  
You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Thomas [Signature]

12-20-96

MARK TORR  
Independent Petroleum Geologist  
P.O. Box 158  
Woodston, Kansas 67675  
(913) 425-6763

ORIGINAL

NOR-WEST KANSAS OIL, L.L.C.  
HESS # 1  
350' east of west line & 290' north of south line of NW/4  
Section 4-13S-33W  
Logan County, Kansas

15-109-20634-00-00

Commenced: 10-09-96  
Completed: 10-16-96.  
Drilled By: Discovery, Rig # 2.

Pipe Record: 8 5/8" @ 212'.  
Log: RA Guard.  
Drill Stem Tests: "I" zone & Johnson Zone.

ELEVATION  
3049:KB  
3041:GL  
GEOLOGICAL REPORT

Log Tops From KB

ANHYDRITE	2502 Top	+547
	2525 Base	+525
HEEBNER	3940	-891
TORONTO	3961	-912
LANSING-KANSAS CITY	3985	-936
MUNCIE CREEK	4147	-1098
STARK	4236	-1187
BASE KANSAS CITY	4296	-1247
FORT SCOTT	4493	-1444
CHEROKEE SHALE	4520	-1471
JOHNSON ZONE	4565	-1516
MISSISSIPPIAN	4663	-1614
RTD	4680	-1631
LTD	4681	-1632

Gentlemen;

The above described well ran 10' high to Pelican Hill's Hess # 1 (50' west of N/2 NW SE of section 4-13S-33W) at the top of the Anhydrite, 9' low at the top of the Lansing-Kansas City, 10' low at the Muncie creek, 4' low at the Stark, and 1' high at the Johnson Zone. The limestones were for the most part dirty and chalky, with only a trace of live oil in the Lansing-Kansas City "I" zone and the Johnson Zone. These zones were tested with negative results. This well was plugged and abandoned in the Mississippian.

Respectfully,

*Mark Torr*  
Mark Torr

Significant zones, oil show, drill stem test results, and drill time

- 3985-4000 White fine crystalline to oolitic limestone. Chalky, with no show of oil and no odor.
- 4162-4166 Offwhite to gray limestone. Chalky fine crystalline with few fossils. No show, no odor.
- 4196-4206 Offwhite limestone. Fine crystalline with scattered fossils. Show of live oil, light spotted stain, very faint odor. This zone was covered in DST # 1.
- 4272-4278 Chalky offwhite limestone. Fine crystalline. No show.
- 4566-4574 Dense tan brown limestone. Some friable medium grained limestone. Trace of live oil, light stain, no odor. This zone was covered in DST # 2.
- 4606-4612 Quartz sandstone. Fine grained, well sorted. No show, no odor.

DST # 1

Interval: 4174'-4211'

Times: 45-45-45-45

Recovery: 315' of muddy water

Shut-in Pressures: 1187-1148

Flow Pressures: 22-95 & 96-161

DST # 2

Interval: 4538'-4579'

Times: 15-15

Recovery: 3' of mud

Shut-in Pressure: 41

Flow Pressures: 19-19

1' drill time from 3801' to 4680'.

- 3801-3900 11111-11111-11111-11112-11122-33222-22122-31111-11111-12111-11222-23323-23233-23323-33323-34324-44434-34323-12334-33211-
- 3901-4000 11112-21235-23351-11111-11211-11111-12132-23444-32244-54343-55434-54234-32222-33332-32434-44334-33433-11111-11111-11223-
- 4001-4100 32212-22221-22324-33334-33343-32221-22222-12223-34334-22222-33333-32333-33322-33424-33344-34234-43433-42222-12223-34222-
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- 4301-4400 44344-44444-43333-21111-11111-21111-11212-33344-44554-45553-55446-54333-54424-34234-45445-44545-55553-55344-45433-35445-
- 4401-4500 54445-44544-45455-45545-44343-44352-33543-33333-53332-22342-25433-43434-44334-33343-44655-44433-34334-42223-45333-44344-
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