

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

Operator: License # 5290Name: Hinkle Oil CompanyAddress: 1016 Union Center Bldg.City/State/Zip Wichita, KS 67202

Purchaser: _____

Operator Contact Person: Orvie HowellPhone (316) 267-0231Contractor: Name: Duke Drilling Co., Inc.License: 5929Wellsite Geologist: ORVIE HOWELL

Designate Type of Completion

☒ New Well ☐ Re-Entry ☐ Workover☐ Oil ☐ SWD ☐ SIOW ☐ Temp. Abd.☐ Gas ☐ ENHR ☐ SIGW☒ Dry ☐ Other (Core, WSW, 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 ☐ PBTD☐ Commingled ☐ Docket No. _____☐ Dual Completion ☐ Docket No. _____☐ Other (SWD or Inj?) Docket No. _____12-26-92 01-06-93

Spud Date _____ Date Reached TD _____ Completion Date _____

API NO. 15- 007-22,410-0000 **ORIGINAL**County BarberNE NW SE Sec. 10 Twp. 32 Rge. 15 ☒ E2310 Feet from ☒ N (circle one) Line of Section1650 Feet from ☒ E (circle one) Line of SectionFootages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)Lease Name Alexander Well # 1-10Field Name DONALD EXTENSION

Producing Formation _____

Elevation: Ground 2041 KB 2049Total Depth 5500 PBTD _____Amount of Surface Pipe Set and Cemented at 400 FeetMultiple Stage Cementing Collar Used? ☐ Yes ☒ No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from _____

feet depth to _____ w/ _____ sx cmt.

Drilling Fluid Management Plan 08A 1-21-93
(Data must be collected from the Reserve Pit)Chloride content 7200 ppm Fluid volume 480 bblsDewatering method used TRUCKED

Location of fluid disposal if hauled offsite: _____

Operator Name GEAR PETROLEUMLease Name SKINNER D SWDW License No. 5151SE Quarter Sec. 3 Twp. 32S S Rng. 15 ☒ ECounty BARBER Docket No. 10145

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 HowellTitle GENERAL MANAGER/GEOLOGIST Date 1/14/93Subscribed and sworn to before me this 14TH day of JANUARY 19 93Notary Public Melanie FriedenDate Commission Expires FEBRUARY 10, 1996

MELANIE FRIEDEN
NOTARY PUBLIC
STATE OF KANSAS

My Appt. Exp. 2-10-96

K.C.C. OFFICE USE ONLY

F ☐ Letter of Confidentiality Attached
C ☒ Wireline Log Received
L ☒ Geologist Report Received

Distribution
KCC ☐ SWD/Rep ☐ NSGA
KGS ☐ Plug ☐ Other (Specify)

RECEIVED
STATE CORPORATION COMMISSION
1-15-93
JAN 15 1993
CONSERVATION DIVISION
WICHITA, KANSAS

SIDE TWO

Operator Name Hinkle Oil CompanyLease Name AlexanderWell # 1-10Sec. 10 Twp. 32 Rge. 15
☐ East
☒ WestCounty Barber

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.)

List All E.Logs Run:

DIL - CDL - CNL

☒ Log Formation (Top), Depth and Datum ☐ Sample

Name	Top	Datum	
INDIAN CAVE SD ZONE	3276	KINDERHOOK SHALE	5254
WABAUNSEE	3330	VIOLA	5290
STOTLER	3480	SIMPSON	5407
TARKIO	3534	LTD	5500
TOPEKA	3733		
HEEBNER	4232		
BROWN LIME	4408		
BKC	4862		
MARMATON	4883		
MISSISSIPPIAN	4959		

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	14-3/4"	10-3/4"	32#	400'	60/40 poz	300	2% gel 3%cc.

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate				
___ Protect Casing				
___ Plug Back TD				
___ 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

TUBING RECORD	Size	Set At	Packer At	Liner Run ☐ Yes ☐ No
Date of First, Resumed Production, SMD or Inj.				
Producing Method ☐ Flowing ☐ Pumping ☐ Gas Lift ☐ Other (Explain)				
Estimated Production Per 24 Hours	OIL Bbls. <u>100</u>	Gas Bbls. <u>100</u>	McF <u>100</u>	Water Bbls. <u>100</u> Gas-Oil Ratio <u>100</u> Gravity <u>100</u>

Disposition of Gas:

 METHOD OF COMPLETION
☐ Vented ☐ Solid ☐ Used on Lease ☐ Open Hole ☐ Perf. ☐ Dually Comp. ☐ Commingled
 (If vented, submit ACO-18.) ☐ Other (Specify) _____

Production Interval

HINKLE OIL COMPANY

DRILLING REPORT

ORIGINAL

WELL NAME: HINKLE OIL COMPANY
ORVIE: COPA MOTEL
 (316) 886-5673 Room #22

#1-10 ALEXANDER
 NE NW SE SEC. 10-32S-15W
 BARBER COUNTY, KANSAS

CONTRACTOR: Rig #2
 PRATT TOWER (316) 672-9487 #2628
ELEVATION:

DUKE DRILLING CO.

2041 GL 2049 RB

12-11-92: Location staked. W.O.R.T. Estimated Spud Date 12-14-92.
 12-16-92: W.O.R.T. Expect to move in this weekend.
 12-22-92: M.I.R.T.
 12-23-92: M.I.R.T.
 12-24-92: R.U.R.T. Will Spud @7:00 A.M. 12-26-92
 12-25-92: Shut down for Christmas.
 12-26-92: Commenced drilling @ 7:00 A.M.
 12-27-92: Set 10 3/4" good used 32# surface casing @ 400' with 300 sx of 60-40
 posmix, 2% gel, 3% CaCl. Hole deviation 1 1/4" @ 400'.
 Ø @ 1180'.
 12-28-92: Trip @ 2030'. 1 1/4" deviation. Shut down to repair leak in stand
 pipe. Ø @ 2364'.
 12-29-92: Ø @ 3073'.
 12-30-92: INDIAN CAVE SAND ZONE 3277 (-1228). WABAUNSEE 3330 (-1281).
 STOTLER LIMESTONE 3481 (-1432). 31' low to #1-3 Alexander.
 17' low to Dunne & Gardner #1 Marsh, C NW NW Section 15, 3/4 mile SW.
 Ø 3640'. Will displace mud system @ 3850'.
 12-31-92: TOPEKA 3734 (-1685). Ø 4170.
 1-1-93: HEEBNER 4230 (-2181). 46' low to #1-3 Alexander, 33' low to D-G #1 Marsh,
 3/4 mile SW, 6' high to Aylward #1 Y Skinner, NE NW NW Section 11, 3/4
 mile NE. BROWN LIME 4404 (-2355). 38' low to #1-3 Alexander, 35' low
 D-G #1 Marsh, 26' high to #1Y Skinner. LANSING 4414 (-2365). Ø 4625'.
 1-2-93: BASE KANSAS CITY 4859 (-2810). 43' low to #1-3 Alexander, 50' D-G #1
 Marsh, 65' high #1Y Skinner. MARMATON 4882 (-2833). DST #1 4858 to 4925'.
 Open 30-30. Recovered 20' mud. FP 86-86#. SIP 107#. Pipe strap 1.66'
 short to board. Straight hole test - 1/2" deviation.
 1-3-93: MISSISSIPPIAN (Basal Pennsylvanian Unconformity) 4962 (-2913). 56' low to
 #1-3 Alexander, 60' low to D-G #1 Marsh, 58' high to #1Y Skinner.
 DST #2 4960 to 5000'. Open 60-60-60-60. Recovered 2500' of gas in pipe
 + 50' oil and gas cut mud (10% gas, 2% oil, 88% mud). IFP 75-53#.
 ISIP 644#. FFP 75-53#. FSIP 591#.
 1-4-93: DST #3 5000-5060'. Open 30-30-60-60. Recovered 60' mud + 60' slightly
 oil cut mud. IFP 86-86#. ISP 215#. FFP 107-107#. FSIP 161#.
 Ø 5065'.
 1-5-93: VIOLA DOLOMITE 5301 (-3252). Ø 5380'.

RECEIVED
 STATE CORPORATION COMMISSION
 1-15-93
 JAN 15 1993
 CONSERVATION DIVISION
 WICHITA, KANSAS

#1-10 ALEXANDER
NE NW SE SEC. 10-32S-15W
BARBER COUNTY, KANSAS

1-6-93: RTD 5500' (-3451). Ran log.

LOG TOPS

INDIAN CAVE SAND ZONE	3276 (-1227)
WABAUNSEE	3330 (-1281)
STOTLER LIMESTONE	3480 (-1431)
TARKIO	3534 (-1485)
TOPEKA	3733 (-1684)
HEEBNER	4232 (-2183)
BROWN LIME	4408 (-2359)
BASE KANSAS CITY	4862 (-2813)
MARMATON	4883 (-2834)
MISSISSIPPIAN	4959 (-2910)
KINDERHOOK SHALE	5254 (-3205)
VIOLA	5290 (-3241)
SIMPSON	5407 (-3358)
LTD	5500 (-3451)

P & A.

ORIGINAL

ALLIED CEMENTING CO., INC.

3399

Home Office P. O. Box 31

Russell, Kansas 67665

NEW

Date 1-6-93	Sec. 10	Twp. 32s	Range 1Sw	Called Out 12:00 AM	On Location 4:30 AM	Job Start 6:30 AM	Finish 8:30 AM
Lease ALEXANDER	Well No. 1-10	Location 160+ SUN CITY RD. 15				County BARBER	State KANSAS
Contractor DUKE #2				Owner HENKLE OIL Co.			
Type Job ROTARY PLUG				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 listed.			
Hole Size 7 7/8"	T.D. 5500'			Charge To HENKLE OIL Co.			
Csg. 10 3/4"	Depth 390'			Street 1016 UNION CENTER BLDG			
Tbg. Size	Depth			City WICHITA State KANSAS 67202			
Drill Pipe 4 1/2" 16.6#	Depth 800'			The above was done to satisfaction and supervision of owner agent or contractor.			
Tool	Depth			Purchase Order No. John J. Amhurst			
Cement Left in Csg.	Shoe Joint			CEMENT			
Press Max.	Minimum			Amount Ordered 16 Sx 60:40 6% bel			
Meas Line	Displace. ORIGINAL			Consisting of			
Perf.				Common 99 5.50 544.50			

EQUIPMENT

No.	Cementer	K. BARNARDT
Pumptrk 266	Helper	J. HART
No.	Cementer	
Pumptrk	Helper	
	Driver	M. WOLF
Bulktrk 222	Driver	

DEPTH of Job

Reference:	Pump Truck	380.00
1	DRY HOLE PLUG	20.00
19	Mileage	38.00
	Total	438.00

Remarks:

Handling 165	1.00	165.00
Mileage 19		125.40
	Sub Total	
	Total	1067.40

Floating Equipment

Total \$ 1505.40**Disc - 301.08****RECEIVED**
STATE CORPORATION COMMISSION**JAN 15 1993****CONSERVATION DIVISION**
WICHITA, KANSAS**1-15-93**

15-087-22410-0000

CEMENTING LOG

STAGE NO.

ALLIED
CEMENTING CO., INC.P.O. BOX 31
RUSSELL, KS 67665

Date 1-6-93 District Med. Co. Co. Ticket No. 3399
 Company HENKLE OIL CO. Rig DUKE #2
 Lease ALEXANDER Well No. 1-10
 County BARBER State KANSAS
 Location 10-32-1 SW Field DONALD EXT.
1604 SUN CITY ROAD 15
 CASING DATA: PTA ☒ Squeeze ☐
 Surface ☐ Intermediate ☐ Production ☐ Liner ☐
 Size 10 3/4" Type _____ Weight _____ Collar _____

Casing Depths: Top 6.6' Bottom 390'

Drill Pipe: Size 4 1/2" Weight 16.6# Collars XH
 Open Hole: Size 7 7/8" T.D. 5500 ft. P.B. to _____ ft.

CAPACITY FACTORS:

Casing: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
 Drill Pipe: Bbls/Lin. ft. .01422 Lin. ft./Bbl. 70.3'
 Annulus: Bbls/Lin. ft. .0406 Lin. ft./Bbl. 24.64'
D.P./CSG Bbls/Lin. ft. .0682 Lin. ft./Bbl. 14.69'
 Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:

Spacer Type: FRESH H₂O
 Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

LEAD: Pump Time _____ hrs. Type _____

Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG

TAIL: Pump Time _____ hrs. Type 60:40:6% GEL

Amt. 165 Skys Yield 1.58 ft³/sk Density 13.8 PPG

WATER: Lead _____ gals/sk Tail 7.8 gals/sk Total _____ Bbls.

Pump Trucks Used 266 JUSTIN HART
 Bulk Equip. 222 MAX WOLF

Float Equip: Manufacturer _____

Shoe: Type _____ Depth _____

Float: Type _____ Depth _____

Centralizers: Quantity _____ Plugs Top _____ Btm. _____

Stage Collars _____

Special Equip. _____

Disp. Fluid Type MUD Amt. 5 Bbls. Weight 9.3 PPG

Mud Type CHEMICAL Weight 9.3 PPG

COMPANY REPRESENTATIVE JOHN ARMERUSTER

CEMENTER KEVIN BRONGAOT

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
4:30						ON LOCATION, RIG UP
6:30	500				5	50% @ 800'
	550		8 1/2	8 1/2	6	START FRESH H ₂ O
	450		22 1/2	14	6	FRESH H ₂ O IN - START CEMENT
	450		25 1/2	3	5	CEMENT IN - START FRESH H ₂ O
	400		30 1/2	5	5	FRESH H ₂ O IN - START MUD
						MUD IN - STOP PUMPS
	300				5	75% @ 430'
	350		42 1/2	12	5	START FRESH H ₂ O
	300		63 1/2	21	5	FRESH H ₂ O IN - START CEMENT
	250		66	2 1/2	5	CEMENT IN - START FRESH H ₂ O
						FRESH H ₂ O IN - STOP PUMPS
	100		70	4	3	PUSH PUG + GROUT CEMENT TO SURFACE WITH 15% @ 40'
	100		74	4	3	RECEIVED STATE CORPORATION COMMISSION
8:30	100		77	3	3	15% IN KATHOLIC
						JAN 15 1993
						CONSERVATION DIVISION
						WICHITA, KANSAS

1-15-93

15-007-22410-0000

Phone 913-483-2627; Russell, Kansas

Phone 316-793-5861, Great Bend, Kansas

ORIGINAL

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

5866

Home Office P. O. Box 31

Russell, Kansas 67665

New

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
12-26-92	10	32S	15W	11:00 A.M.	1:00 P.M.	5:00 P.M.	6:30 P.M.
Lease	Well No.	Location		County	State		
Alexander	#1-10	Sun City + 160, 3/4 South		Barber	KANSAS		

Contractor	Duke Drlg. #2
Type Job	Surface Casing
Hole Size	14 3/4
Csg.	10 3/4
Tbg. Size	
Drill Pipe	4 1/2 - X-Hole
Tool	
Cement Left in Csg.	15'
Press Max.	500
Meas Lih	
Perf.	

EQUIPMENT

No.	Cementer	
Pumptrk #234	Helper	Larry Dreiling
No.	Cementer	
Pumptrk	Helper	Carl Balding
	Driver	max wolf
Bulktrk 285		
Bulktrk	Driver	

DEPTH of Job		390'
Reference:	Pump Truck	380.00
1	10 3/4 wood Cup Plug	47.00
19	Mileage	38.00
80'	Footage of 300' csg. Sub-Total	35.10
	Total	500.10

Remarks:	

Owner Hinkle Oil Co.
 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 listed.

Charge To Hinkle Oil Co.
 Street 1016 Union Center
 City Wichita State Ks. 67202
 The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No.
 X John J. Armstrong
CEMENT

Amount Ordered	300 SLS. 40' 60' 4% cc - 2% Gel		
Consisting of			
Common	180	5.50	990.00
Poz. Mix	120	2.50	300.00
Gel.	6	6.75	N/C
Chloride	12	21.00	252.00
Quickset			252.00

	Sales Tax	
Handling	300	1.00
Mileage	#19	228.00
	Sub Total	170.00
	Total	209.00

Floating Equipment
 \$2591.10
 RECEIVED
 STATE CORPORATION COMMISSION
 1-15-93
 JAN 15 1993
 CONSERVATION DIVISION
 WICHITA, KANSAS



P.O. BOX 31
RUSSELL, KS 67665

15-007-22410-0000 CEMENTING LOG

STAGE NO.

ORIGINAL

Date 12-26-92 District Med. Lodge Ticket No. 5866
Company Hinkle Oil Co. Rig Duke #2
Lease Alexander Well No. 1-10
County Barber State KANSAS
Location _____ Field _____

CASING DATA: PTA ☐ Squeeze ☐
Surface ☒ Intermediate ☐ Production ☐ Liner ☐
Size 10 3/4 Type T-55 Weight 32# Collar _____
Burst Collaspe
1,140 PSI 650 PSI
Casing Depths: Top _____ Bottom _____

Drill Pipe: Size 4 1/2 Weight 16.6 Collars X-Hole
Open Hole: Size 14 3/4 T.D. 401' ft. P.B. to _____ ft.
CAPACITY FACTORS:
Casing: Bbls/Lin. ft. 1009 Lin. ft./Bbl. 9.91
Open Holes: Bbls/Lin. ft. 2113 Lin. ft./Bbl. 4.3716
Drill Pipe: Bbls/Lin. ft. 0.142 Lin. ft./Bbl. 70.32
Annulus: 10 3/4 x 14 3/4 Bbls/Lin. ft. 0.991 Lin. ft./Bbl. 10.0923
Bbls/Lin. ft. _____ Lin. ft./Bbl. _____
Perforations: From _____ ft. to _____ ft. Amt. _____

CEMENT DATA:

Spacer Type: _____
Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG
LEAD: Pump Time _____ hrs. Type 40:60
3%GCC-2%Gel Excess _____
Amt. 300 Skys Yield 1.26 ft³/sk Density 14.5 PPG
TAIL: Pump Time _____ hrs. Type _____
Excess _____
Amt. _____ Skys Yield _____ ft³/sk Density _____ PPG
WATER: Lead 5.6 gals/sk Tail _____ gals/sk Total 40 Bbls.
Pump Trucks Used #234, Carl Balding
Bulk Equip. #258, Maxwell

Float Equip: Manufacturer _____ Depth _____
Shoe: Type _____ Depth _____
Float: Type _____ Btm. 385'
Centralizers: Quantity _____ Plugs Top 1
Stage Collars _____
Special Equip. _____
Disp. Fluid Type Fresh H₂O Amt. 3834 Bbls. Weight 8.34 PPG
Mud Type Chemical Weight 9.1 PPG

COMPANY REPRESENTATIVE John Armbruster

CEMENTER Larry Drilling

TIME		PRESSURES PSI		FLUID PUMPED DATA			REMARKS
AM	PM	DRILL PIPE (CASING)	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE Bbls Min.	
5:40		400		40	10	4	Rig up and Hold Safety meeting
5:45							Pipe on Bottom, Start Circ.
5:48		300		5	2	4	Rig up to Cement Pump
5:52		350					Start Fresh H ₂ O Pad.
							Start Cement Cement w/ 300 SKS.
							40:60: 3%AT-P-2%Gel.
6:02				67	13	5 1/2	Cement In.
							Stop Pumps.
6:04							Release Plug.
6:06		350		155	4	5	Start Fresh H ₂ O Displace
6:12		325		355	6	5	Steady PSI
6:15		300		3834	3	3	Decrease rate
							Stop Pumps
							Shut In
							Cement Circ. to Surface
							Plug Down 6:15 AM.

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WICHITA, KANSAS

FINAL DISP. PRESS: _____ PSI BUMP PLUG TO _____ PSI BLEEDBACK _____ BBLs.

THANK YOU