

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

6-23-97
RECEIVED
KANSAS CORP COM

API NO. 15- 039-209040000
County Decatur
Sec. 20 Twp. 2-S Rge. 26 X ^E _W

Operator: License # 31956 1997 JUN 23 2-28

Name: DARK HORSE OIL COMPANY

Address 12543 N. Hwy. 83 - Suite 228

City/State/Zip Parker, CO 80134

Purchaser: NA

Operator Contact Person: Douglas C. Frickey

Phone () 800-876-4482

Contractor: Name: MURFIN DRILLING COMPANY

License: 30606

Wellsite Geologist: Alan Downing

Designate Type of Completion
 New Well Re-Entry Workover

Oil SMD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, WSW, Expl., Cathodic, etc)

If Workover/Reentry: Old Well Info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

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

4/25/97 5/02/97
Spud Date Date Reached TD Completion Date

455 Feet from S (circle one) Line of Section

2275 Feet from E (circle one) Line of Section

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

Lease Name H. & C. Shirley Well # 1

Field Name Wild Cat

Producing Formation NA

Elevation: Ground 2638' KB 2643'

Total Depth 3964' PBT 3964'

Amount of Surface Pipe Set and Cemented at 260 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/ _____ sx cmt.

Drilling Fluid Management Plan D&A 97 11-10-97
(Data must be collected from the Reserve Pit)

Chloride content 1100 ppm Fluid volume 375 bbls

Dewatering 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 82-3-130, 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 [Signature]

Title President Date 6/16/97

Subscribed and sworn to before me this 16th day of June, 1997.

Notary Public [Signature]

Date Commission Expires 8-6-97

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

SIDE TWO

Operator Name DARK HORSE OIL COMPANY Lease Name H. & C. Shirley Well # 1

Sec. 20 Twp. 2-S Rge. 26 East West
 County Decatur

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 (Attach Additional Sheets.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Samples Sent to Geological Survey <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Cores Taken <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Electric Log Run (Submit Copy.) <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No List All E.Logs Run: <u>Radiation Guard Log</u>	<input checked="" type="checkbox"/> Log Formation (Top), Depth and Datums <input type="checkbox"/> Sample <table border="0" style="width:100%"> <tr> <td style="width:60%">Name</td> <td style="width:20%">Top</td> <td style="width:20%">Datum</td> </tr> <tr> <td>Top Anhydrite</td> <td>2156'</td> <td>+487</td> </tr> <tr> <td>Base Anhydrite</td> <td>2188'</td> <td>+455</td> </tr> <tr> <td>Topeka</td> <td>3324'</td> <td>-681</td> </tr> <tr> <td>Heebner</td> <td>3491'</td> <td>-848</td> </tr> <tr> <td>Toronto</td> <td>3522'</td> <td>-881</td> </tr> <tr> <td>Lansing/Kansas City</td> <td>3534'</td> <td>-891</td> </tr> <tr> <td>Base Kansas City</td> <td>3736'</td> <td>-1093</td> </tr> <tr> <td>Cherokee Shale</td> <td>3881'</td> <td>-1238</td> </tr> <tr> <td>Granite Wash</td> <td>3952'</td> <td>-1309</td> </tr> </table>	Name	Top	Datum	Top Anhydrite	2156'	+487	Base Anhydrite	2188'	+455	Topeka	3324'	-681	Heebner	3491'	-848	Toronto	3522'	-881	Lansing/Kansas City	3534'	-891	Base Kansas City	3736'	-1093	Cherokee Shale	3881'	-1238	Granite Wash	3952'	-1309
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CASING RECORD <input type="checkbox"/> New <input checked="" 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"	28#	260'	60/40 POZ	175	3%cc 2%gel

ADDITIONAL CEMENTING/SQUEEZE RECORD					
Purpose: <input type="checkbox"/> Perforate <input type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			

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

TUBING RECORD		Size	Set At	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.			Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)		
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: _____

ORIGINAL

H. & C. SHIRLEY #1
SE SE SW of Sec. 20 T-2-S R-26-W
Decatur County, Kansas
API #: 15-039-20904-0000
Ground Level: 2638 feet

DARK HORSE OIL COMPANY
12543 North Highway 83 - Suite 228
Parker, CO 80134
800-876-4482

DRILL STEM TEST INFORMATION

DRILL STEM TEST #1

INTERVAL: 3490.00 through 3550.00 ft. (Toronto & Lansing/KC "A" Zones)
Slid test tool 16.00 to bottom.

BLOW DESCRIPTION: Initial Flow - 3 inch blow built to 5 inches.
Final Flow - Bubble to open tool and in 5 minutes built to 5 inches.

OPEN: 60 min. - CLOSE: 45 min. - OPEN: 60 min. - CLOSE: 45 min.

FIRST INITIAL FLOW PRESSURE: 122

FIRST FINAL FLOW PRESSURE: 166

SECOND INITIAL FLOW PRESSURE: 211

SECOND FINAL FLOW PRESSURE: 233

INITIAL HYDROSTATIC MUD: 1770

FINAL HYDROSTATIC MUD: 1747

INITIAL SHUT-IN PRESSURE: 1186

FINAL SHUT-IN PRESSURE: 1186

RECOVERY: 90.00 feet of Slightly Watery Mud (10% Water and 90% Mud).
60.00 feet of Muddy Water (60% Water and 40% Mud).
240.00 feet of Salt Water.

TOTAL FLUID RECOVERY: 390.00 ft. = (390.00 ft. in the drill collars and 0.00 ft. in the drill pipe.)

BOTTOM HOLE TEMPERATURE: 101 degrees fahrenheit.

DRILL STEM TEST #2

INTERVAL: 3547.00 through 3569.00 ft. ("Pollnow" Zone)

BLOW DESCRIPTION: Initial Flow - Weak Surface Blow.
Final Flow - Weak Surface Blow in 7 minutes.

OPEN: 30 min. - CLOSE: 30 min. - OPEN: 30 min. - CLOSE: 30 min.

FIRST INITIAL FLOW PRESSURE: 44

FIRST FINAL FLOW PRESSURE: 33

SECOND INITIAL FLOW PRESSURE: 44

SECOND FINAL FLOW PRESSURE: 33

INITIAL HYDROSTATIC MUD: 1747

FINAL HYDROSTATIC MUD: 1736

INITIAL SHUT-IN PRESSURE: 1208

FINAL SHUT-IN PRESSURE: 1208

RECOVERY: 5.00 feet of Drilling Mud.

TOTAL FLUID RECOVERY: 5.00 ft. = (5.00 ft. in the drill collars & 0.00 ft. in

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KANSAS CORP COMM
1997 JUN 23 12:27

the drill pipe.)

BOTTOM HOLE TEMPERATURE: 101 degrees fahrenheit.

DRILL STEM TEST #3

INTERVAL: 3566.00 through 3594.00 ft. (Lansing/KC "C/D" Zone)

BLOW DESCRIPTION: Initial Flow - Bottom of bucket in 36 minutes.

Final Flow - Surface blow - building to 9.5 inches in the bucket.

OPEN: 60 min. - CLOSE: 45 min. - OPEN: 45 min. - CLOSE: 45 min.

FIRST INITIAL FLOW PRESSURE: 55

FIRST FINAL FLOW PRESSURE: 188

SECOND INITIAL FLOW PRESSURE: 233

SECOND FINAL FLOW PRESSURE: 288

INITIAL HYDROSTATIC MUD: 1793

FINAL HYDROSTATIC MUD: 1781

INITIAL SHUT-IN PRESSURE: 1197

FINAL SHUT-IN PRESSURE: 1208

RECOVERY: 60.00 ft. of Muddy Water (80% Water & 20% Mud).

510.00 ft. of Salt Water.

TOTAL FLUID RECOVERY: 570.00 ft. (505.00 ft. in the drill collars & 65.00 ft. in the drill pipe.)

BOTTOM HOLE TEMPERATURE: 102 degrees fahrenheit.

ELECTRIC LOG TOPS

FORMATION NAME	TOP	SUB-SEA DATUM
Top Anhydrite	2156'	+487
Base Anhydrite	2188'	+455
Topeka	3324'	-681
Deer Creek	3439'	-796
Oread	3475'	-832
Heebner	3491'	-848
Toronto	3522'	-881
Lansing/Kansas City	3534'	-891
Base Kansas City	3736'	-1093
Marmaton	3752'	-1109
Cherokee Shale	3881'	-1238
Granite Wash	3952'	-1309
Rotary Total Depth	3964'	-1321
Loggers Total Depth	3964'	-1321

JUN 04 '97 15:25 GRE

P.1
ORIGINAL

TELEPHONE:
AREA CODE 913 483-2627
AREA CODE 913 483-3887

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

Federal Tax I.D.# [REDACTED]

TO: Dark Horse Oil Company
12543 N. Hwy #83, ST, #228
Parker, CO 80134-8800

INVOICE NO. 75018
PURCHASE ORDER NO. _____
LEASE NAME H & C Shirley #1
DATE 5-2-97

SERVICE AND MATERIALS AS FOLLOWS:

Common 114 sks @\$7.20	\$820.80	
Pozmix 76 sks @\$3.15	239.40	
GEL 10 sks @\$9.50	95.00	
FloSeal 48# @\$1.15	55.20	\$1,210.40
Handling 190 sks @\$1.05	199.50	
Mileage (76) @\$.04¢ per sk mi	577.60	
Plug	550.00	
Mi. @\$2.85 pmp trk chg	216.60	
1 plug	23.00	1,566.70
Total		\$2,777.10

If Account CURRENT a
Discount of \$ 416.57
will be Allowed ONLY if
Paid Within 30 Days from
Date of Invoice.

Thank You!

All Prices Are Net. Payable 30 Days Following Date of Invoice. 1 1/2 % Charged Thereafter.

RECEIVED
KANSAS CEMENT CO
1997 JUN 23 12:27

ALLIED CEMENTING CO., INC.

P. 2

ORIGINAL

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

SERVICE POINT: Oakley

DATE <u>5-2-97</u>	SEC <u>20</u>	TWP <u>25</u>	RANGE <u>26W</u>	CALLED OUT	ON LOCATION <u>5:15 AM</u>	JOB START <u>7:15 AM</u>	JOB FINISH <u>9:30 AM</u>
LEASE <u>Shirley</u>	WELL# <u>1</u>	LOCATION <u>1/4 E 2 1/4 E Oberlin</u>			COUNTY <u>Decatur</u>	STATE <u>KS</u>	

OLD OR NEW (Circle one)

CONTRACTOR Murfin Drilling Rig 3

TYPE OF JOB PTA

HOLE SIZE 7 7/8 TD 3964'

CASING SIZE _____ DEPTH _____

TUBING SIZE 4 1/2 DEPTH 2200'

DRILL PIPE _____ DEPTH _____

TOOL _____ DEPTH _____

PRES. MAX _____ MINIMUM _____

MEAS. LINE _____ SHOE JOINT _____

CEMENT LEFT IN CSG. _____

PERFS. _____

OWNER Same

CEMENT

AMOUNT ORDERED 190 sks 60/40 poz 426cl
1/4" flow seal

COMMON	<u>119</u>	@	<u>7.20</u>	<u>820.80</u>
POZMIX	<u>76</u>	@	<u>3.15</u>	<u>239.40</u>
GEL	<u>10</u>	@	<u>9.50</u>	<u>95.00</u>
CHLORIDE		@		
<u>flow seal 489</u>		@		<u>55.20</u>
		@		
		@		
		@		
		@		
HANDLING		@		<u>199.50</u>
MILEAGE		@		<u>577.60</u>

TOTAL 1987.50

EQUIPMENT

PUMP TRUCK CEMENTER Dean

300 HELPER Wayne

BULK TRUCK

315 DRIVER Dean

BULK TRUCK

_____ DRIVER _____

REMARKS:

SERVICE

1st Plug at 2200' w/ 25 sks

2nd Plug at 1400' w/ 100 sks

3rd Plug at 320' w/ 40 sks

4th Plug at 40' w/ 10 sks

15 sks in Reel Hole

DEPTH OF JOB	<u>2200'</u>		
PUMP TRUCK CHARGE		@	<u>8550.00</u>
EXTRA FOOTAGE		@	
MILEAGE <u>26 miles</u>		@	<u>216.60</u>
PLUG <u>Dry Hole</u>		@	<u>23.00</u>
		@	
		@	

Thank you

TOTAL 789.60

FLOAT EQUIPMENT

	@	
	@	
	@	
	@	
	@	

TOTAL 2977.10

CHARGE TO: Dark Horse Oil Co

STREET 34861 Forst Park Dr.

CITY Elizabethtown STATE Co ZIP 80107-7879

TAX		
TOTAL CHARGE	<u>2360.53</u>	
DISCOUNT <u>4657</u>		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 Roy Van Pelt

Paid

ORIGINAL

TELEPHONE:
AREA CODE 913 483-2627
AREA CODE 913 483-3887

ALLIED CEMENTING COMPANY, INC.

P. O. BOX 31
RUSSELL, KANSAS 67665

Federal Tax I.D.# XXXXXXXXXX

TO: Dark Horse Oil Company
12543 N. Hwy #83, ST #228
Parker, CO 80134-8800

INVOICE NO. 74973
PURCHASE ORDER NO. _____
LEASE NAME H&C Shirley #1
DATE 4-25-97

SERVICE AND MATERIALS AS FOLLOWS:

Common 105 sks @\$7.20	\$756.00
Pozmix 70 sks @\$3.15	220.50
Gel 3 sks @\$9.50	28.50
Chloride 6 sks @\$28.00	<u>168.00</u>
Handling 175 sks @\$1.05	183.75
Mileage (76) @\$.04¢ per sk per mi	532.00
Surface	445.00
Mi @\$2.85 pmp trk chg	216.60
1 plug	<u>45.00</u>

PAID MAY 01 1997 ck# 1153

\$1,173.00

1,422.35

Total

~~2,595.35~~

If Account CURRENT a
Discount of \$ 389.30
will be Allowed ONLY if
Paid Within 30 Days from
Date of Invoice.



Thank You!

All Prices Are Net, Payable 30 Days Following Date of Invoice. 1½% Charged Thereafter.

~~2500.35~~
\$ 2206.05
prepaid 2272.81
\$ 66.24 due
DH

ORIGINAL

ALLIED CEMENTING CO., INC. 5342

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

SERVICE POINT:
OAKLEY

DATE <u>4-25-97</u>	SEC. <u>20</u>	TWP. <u>2S</u>	RANGE <u>26W</u>	CALLED OUT	ON LOCATION <u>8:00 PM</u>	JOB START <u>10:00 PM</u>	JOB FINISH <u>10:30 PM</u>
LEASE <u>H+C SHERLEY</u>	WELL # <u>1</u>	LOCATION <u>OBERLIN 14E-2N-1/4E</u>			COUNTY <u>DECATUR</u>	STATE <u>KS</u>	

OLD OR (NEW) (Circle one)

CONTRACTOR <u>MURFIN DRILL REG # 3</u>
TYPE OF JOB <u>SURFACE</u>
HOLE SIZE <u>12 1/4"</u> T.D. <u>266'</u>
CASING SIZE <u>8 7/8"</u> DEPTH <u>266'</u>
TUBING SIZE DEPTH
DRILL PIPE DEPTH
TOOL DEPTH
PRES. MAX MINIMUM
MEAS. LINE SHOE JOINT
CEMENT LEFT IN CSG. <u>15'</u>
PERFS.

OWNER <u>JAME</u>
CEMENT
AMOUNT ORDERED <u>175 SKS 60/40 P2 3% CC 2966L</u>

COMMON <u>105 SKS @ 7²⁰</u> <u>756⁰⁰</u>
POZMIX <u>70 SKS @ 3¹⁵</u> <u>220⁵⁰</u>
GEL <u>3 SKS @ 9⁰⁰</u> <u>28⁰⁰</u>
CHLORIDE <u>6 SKS @ 28⁰⁰</u> <u>168⁰⁰</u>
@
@
@
@
@
HANDLING <u>175 SKS @ 1⁰⁵</u> <u>183⁷⁵</u>
MILEAGE <u>4 1/2 per sk/mile</u> <u>532⁰⁰</u>
TOTAL <u>1,888⁷⁵</u>

EQUIPMENT

PUMP TRUCK CEMENTER <u>TERRY</u>
<u>300</u> HELPER <u>WAYNE</u>
BULK TRUCK
DRIVER <u>JEFF</u>
BULK TRUCK
DRIVER

REMARKS:

DISPLACEMENT 15 3/4 BBL

CEMENT DED CIRC.

THANK YOU

SERVICE

DEPTH OF JOB <u>266'</u>
PUMP TRUCK CHARGE <u>445⁰⁰</u>
EXTRA FOOTAGE @
MILEAGE <u>76 mile @ 2⁸⁵</u> <u>216⁶⁰</u>
PLUG <u>8 7/8 SURFACE @</u> <u>45⁰⁰</u>
@
@

TOTAL 706⁶⁰

CHARGE TO: PARK HORSE OIL CO.

STREET _____

CITY _____ STATE _____ ZIP _____

FLOAT EQUIPMENT

@
@
@
@
@
TOTAL _____

RECEIVED
KANSAS OIL SERVICE
1997 JUN 23 P 12 27

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 Kent Anderson

TAX _____

TOTAL CHARGE _____

DISCOUNT _____ IF PAID IN 30 DAYS