

ORIGINAL

SIDE ONE

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

Operator: License # 30075

Name: Shamrock Resources, Inc.

Address 100 N. Main  
Suite 802

City/State/Zip Wichita, KS 67202

Purchaser: \_\_\_\_\_

Operator Contact Person: Patrick Deenihan

Phone ( 316 ) 262-7106

Contractor: Name: Murfin Drilling Company

License: 6033

Wellsite Geologist: Kevin L. Howard

Designate Type of Completion

New Well  Re-Entry  Workover  
 Oil  SWD  Temp. Abd.  
 Gas  Inj  Delayed Comp.  
 Dry  Other (Core, Water Supply, etc.)

If CMMO: old well info as follows:

Operator: \_\_\_\_\_

Well Name: \_\_\_\_\_

Comp. Date \_\_\_\_\_ Old Total Depth \_\_\_\_\_

Drilling Method:

Mud Rotary  Air Rotary  Cable

12-03-90 12-09-90 12-10-90  
Spud Date Date Reached TD Completion Date

API NO. 15- 153-20, 765 00-00

County Rawlins

NE NW SW Sec. 6 Twp. 2S Rge. 33W East West

4950 Ft. North from Southeast Corner of Section

4290 Ft. West from Southeast Corner of Section

(NOTE: Locate well in section plat below.)

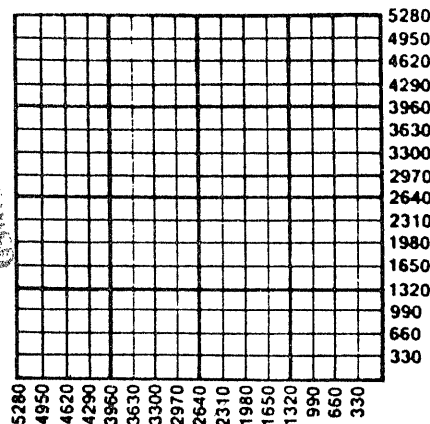
Lease Name Cahoj Well # 1

Field Name Wildcat

Producing Formation LKC

Elevation: Ground 3071 KB 3076

Total Depth 4300' PBDT \_\_\_\_\_



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STATE CORPORATION COMMISSION  
OIL & GAS CONSERVATION DIVISION  
Wichita, Kansas  
JAN 7 1991

ALG DVA

Amount of Surface Pipe Set and Cemented at 317 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from 317'

feet depth to Surface w/ 180 sx cmt.

INSTRUCTIONS: This form shall be completed in triplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 120 days of the spud date of any well. Rule 82-3-130, 82-3-107 and 82-3-106 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. ALL CEMENTING TICKETS MUST BE ATTACHED. Submit CP-4 form with all plugged wells. Submit CP-111 form with all temporarily abandoned wells. Any recompletion, workover or conversion of a well requires filing of ACO-2 within 120 days from commencement date of such work.

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 Jack E. Goss, Agent f/Operator Date 12-31-90

Subscribed and sworn to before me this 31st day of December, 19 90.

Notary Public Melanie Rau

Melanie Rau

Date Commission Expires 4-18-93

K.C.C. OFFICE USE ONLY

F  Letter of Confidentiality Attached  
C  Wireline Log Received  
C  Drillers Timelog Received

Distribution  
 KCC  SWD/Rep  NGPA  
 KGS  Plug  Other (Specify)



PI

**SIDE TWO**

Operator Name Shamrock Resources, Inc. Lease Name Cahoj Well # 1

Sec. 6 Twp. 2S Rge. 33W  East  West  
 County Rawlins

**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.)

**See additional sheets for DST's**

**Formation Description**

Log  Sample

Name	Top	Bottom
Anhydrite	2904	2940
lansing	4022	
G zone	4120	
T.D.	4300	

**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	12 1/4"	8-5/8"		317	60/40 Poz	190	2% gel, 3% cc

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

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

Date of First Production \_\_\_\_\_ Producing Method  Flowing  Pumping  Gas Lift  Other (Explain) \_\_\_\_\_

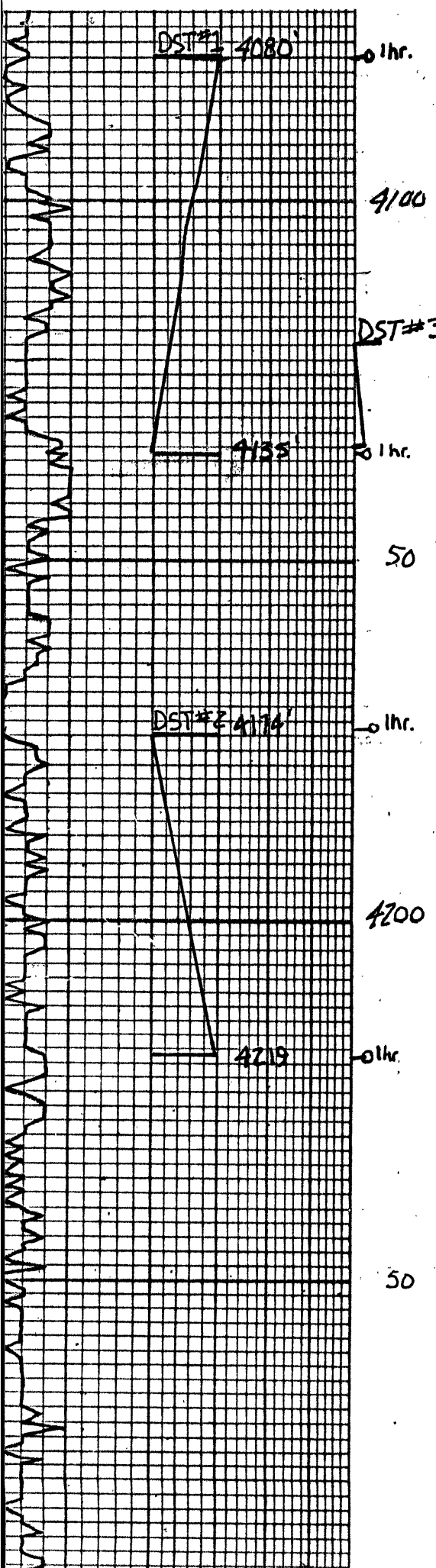
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity

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

**METHOD OF COMPLETION**

Open Hole  Perforation  Dually Completed  Commingled  Other (Specify) \_\_\_\_\_

Production Interval \_\_\_\_\_



**ORIGINAL**

*F-5 Dkt. Free oil, adar? white  
npr. saturation.*

SH: BK red Br.

LS: wh-fn, p-Finnillan p.

SH: Rd, green.

LS: wh-fn-midullon, F-VVary f  
inullon p. Excellent show of  
F<sub>2</sub> gas liberation break, 1.20 hr.  
1.20 spot at 42-50% of clay  
Dust flow.

SH: Rd, Green.

SH: BK (vib).

SH: Rd, Br. Green.

LS: fn, fn-mid xillan, Mostly DNSE  
some dolomite if so do  
dolomite in, 50% p-50.

SH: Rd, Br. Green.

SH: BA

LS: fn, fn-mid xillan, F-50%  
Vary f inullon p, F-6 oil  
50% F<sub>2</sub> show, 50% F-6 5 GED  
Emul adar, 1/2 yellow flow.

SH: Multi-color

SH: Rd, green, Br.

LS: fn-finnillan, DNSE, Sh-  
chalky

SH: Grn, Rd,

LS: fn, fn-xillan, DNSE

SH: Rd, Green, Gray

DST #1 4080-4135  
45-60-45-90  
Rec. 5' CGO (10% O<sub>2</sub>, 90% oil)  
2515 wtr. w/ oil scum  
BHP 1216-1236  
FP 167-887/936-1136

HP 2127-2036  
grav. 32°  
chlor. 7.000 ppm.

DST #3 4120-34  
45-60-15-60  
Rec. 5' Dm  
BHP 19-29  
FP 19-19/19-19  
HP 2087-1986

1st open 1/8" blow  
2nd No-Blow, Flush. No help.

DST #2 4174'-4219'  
30-60-30-30  
Rec. 20' Dm  
BHP 1382-1272  
FP 66-66/77-77  
HP 2224-2103  
BHT 128°

15-153-20765-00-00

RECEIVED  
STATE DEPARTMENT OF  
NATURAL RESOURCES  
JAN 7 1961  
CONSERVATION DIVISION  
Wildlife & Game  
1-791

3-483-2627, Russell, Kansas  
ne 316-793-5861, Great Bend, Kansas

ORIGINAL

15-153-20765-00-00

Phone Plainville 913-434-2812

Phone Ness City 913-798-3843

**ALLIED CEMENTING CO., INC. N<sup>o</sup> 8955**

Home Office P. O. Box 31

Russell, Kansas 67665

12-4-40

Date	12-3-90	Sec.	6	Twp.	2 <sup>s</sup>	Range	33 <sup>w</sup>	Called Out	5:30 P.M.	On Location	10:15 P.M.	Job Start	12:20 A.M.	Finish	12:45 A.M.	
Lease	Cahoj	Well No.	1	Location				Ahwood 6NW1/4NW	County	Rawlins	State	Ks.				

Contractor	Munkin Drilling Co.	Rig #	3
Type Job	Set Surface Pipe		
Hole Size	12 1/4"	T.D.	317'
Csg.	8 7/8"	Depth	317'
Tbg. Size		Depth	
Drill Pipe		Depth	
Tool		Depth	
Cement Left in Csg.	15'	Shoe Joint	
Press Max.		Minimum	-
Meas Line		Displace	X
Perf.			

Owner	Shamrock Resources
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	Munkin Drilling Company
Street	250 N. Water, Suite 300
City	Wichita, State Ks. 67202
The above was done to satisfaction and supervision of owner agent or contractor.	

Purchase Order No.	
X	Keith Van Pelt

**CEMENT**

Amount Ordered	190 sks 6 1/4" per 280 gal, 320 c.c.
Consisting of	
Common	114 sks @ 6.10/sk. \$695.40
Poz. Mix	76 sks @ 2.40/sk. 182.40
Gel.	3 sks N/C.
Chloride	5 sks @ 21.00/sk. 105.00
Quickset	

**EQUIPMENT**

No.	Cementer	
Pumptrk 191	Helper	Bury H. Wayne Mc.
No.	Cementer	
Pumptrk	Helper	
	Driver	Elen C.
Bulktrk #212		
Bulktrk	Driver	

Sales Tax	
Handling @ 1.00/sk. (190 sks)	190.00
Mileage @ 04 1/2/sk./mi. (33 mi.)	250.80
(from 062-60)	
Sub Total	\$1423.60
Total	

**DEPTH of Job**

Reference: #1	Cumptruck-surface	\$380.00
#13	mileage @ 2.00/mi.	46.00
	1-8 7/8" wooden plug	42.00
	Sub Total	\$468.00
	Tax	
	Total	

Floating Equipment Thanks

Remarks: Cement Circulated.

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STATE COMMISSION  
CONSERVATION DIVISION  
Wichita, Kansas  
JAN 7 1991



ORIGINAL 15-153-20765-00-00 ORIGINAL

INVOICE DATE
12/10/90

DIRECT BILLING INQUIRIES TO:	TERMS	REMIT TO:
713-895-5821	NET AMOUNT DUE 30 DAYS FROM DATE OF INVOICE	B.J. SERVICES P.O. BOX 100806 HOUSTON, TX 77212

PAGE	INVOICE NO.
1	23141

AUTHORIZED BY
609801

PURCH. ORDER REF. NO.

SHAMROCK RESOURCES INC.

100 N MAIN  
SUITE 802  
WICHITA,

KS 67202

WELL NUMBER : 1

CUSTOMER NUMBER : 14321000

LEASE NAME AND NUMBER	STATE	COUNTY/PARISH	CITY	DISTRICT NAME	DISTR. NO.
COHAJ	14			OAKLEY	3320
JOB LOCATION/FIELD		MTA DISTRICT	DATE OF JOB	TYPE OF SERVICE	
			12/10/90	LAND-PLUG AND ABANDON	

PRODUCT NUMBER	QUANTITY	DESCRIPTION	UNIT PRICE	U/M	EXTENDED PRICE
10102114	1.00	CEMENTING THRU TUBING 2,501 TO 3,00	1,040.00		1,040.00
10109005	37.00	MILEAGE CHRG, FROM NEAREST BASE OF	2.35		86.95
10410504	114.00	CLASS "A" CEMENT	6.30	CF	718.20
10415018	76.00	FLY ASH	3.62	CF	275.12
10429145	1000.00	BJ-TITAN GEL, BENTONITE, BULK SALES	0.13	LB	130.00
10422008	50.00	CELLO FLAKE	1.21	LB	60.50
10940101	322.00	DRAYAGE, PER TON MILE	0.75		241.50
10880001	190.00	MIXING SEVICE CHRG DRY MATERIALS, P	1.10		209.00
10430539	1.00	8 5/8" TOP HOLE (SURFACE) PLUG	17.00	EA	17.00
10107891	1.00	FUEL SURCHARGE	56.95		56.95
SUBTOTAL					2,835.22
DISCOUNT					500.09
ACCOUNT	4.25000% STATE TAX 1.00000% COUNTY TAX				984.67 984.67 41.85 9.86
RECEIVED STATE CONSERVATION COMMISSION JAN 7 1991 CONSERVATION DIVISION Wichita, Kansas					
TAX EXEMPTION STATUS:	PAY THIS AMOUNT				2,386.84