

15-135-23885-0000

ORIGINAL

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

Operator: License # 31565

Name: Coyote, Inc.

Address 217 S. Broadway

Wichita, KS 67202

City/State/Zip \_\_\_\_\_

Purchaser: n/a

Operator Contact Person: Matt Schnitzler

Phone (316) 263-1200

Contractor: Name: Discovery Drilling

License: 31548

Wellsite Geologist: Jon R. (Zeb) Stewart

Designate Type of Completion  
 New Well  Re-Entry  Workover

Oil  S/W  S/W  Temp. Abd.  
 Gas  ENHR  SIGW  
 Dry  Other (Core, WSW, Expl., Cathodic, etc)

If Workover:

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

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

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

Deepening  Re-perf.  Conv. to Inj/SWD  
 Plug Back  PBD  
 Commingled  Docket No. \_\_\_\_\_  
 Dual Completion  Docket No. \_\_\_\_\_  
 Other (S/W or Inj?)  Docket No. \_\_\_\_\_

6-15-95 6-22-95 7-15-95  
Spud Date Date Reached TD Completion Date

API NO. 15- 135-23-885-0000

County Ness

SW - SE - NE - NE Sec. 6 Twp. 17S Rge. 24 X <sup>E</sup>/<sub>W</sub>

1155 Feet from ~~N~~/N (circle one) Line of Section

495 Feet from ~~E~~/E (circle one) Line of Section

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

Lease Name Otis Well # 1-6

Field Name Vermillion

Producing Formation Mississippian

Elevation: Ground 2515 KB 2523

Total Depth 4565 PBDT \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 200 Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set 1851 Feet

If Alternate II completion, cement circulated from n/a

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan Cell II 1946 1-96  
(Data must be collected from the Reserve Pit) Re'

Chloride content 26,000 ppm Fluid volume 3,000 bbls

Dewatering method used evaporation

Location of Fluid Disposal if hauled offsite: \_\_\_\_\_

KANSAS CORPORATION COMMISSION

Operator Name 12-21-1995

Lease Name DEC 21 1995 License No. \_\_\_\_\_

Quarter Sec. Twp. S Rng. E/W

CONSERVATION DIVISION

County WICHITA, KS 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.

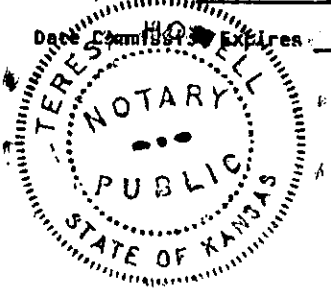
Signature \_\_\_\_\_

Title Field Supt. Date 11-20-95

Subscribed and sworn to before me this 20 day of November, 1995.

Notary Public Terese Howell

Date Commission Expires 11-27-95



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

Operator Name Goyote, Inc. Lease Name Otis Well # 1-6  
 Sec. 6 Twp. 17S Rge. 24 East  West   
 County Ness

INSTRUCTIONS: Show important tops and base of formations penetrated. Detail all cores. Report all drill stem tests giving interval test, 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 Logs Run: CDN, DIL, BL

Name	Top	Datum
Anhydrite	1874	+649
Hebner	3870	-1347
Lansing	3911	-1388
Pawnee	4328	-1805
Ft. Scott	4408	-1885
Miss.	4510	-1987

Log  Formation (Top), Depth and Datum  Sample

CASING RECORD  New  Used  
 Report all strings set-conductor, surface, intermediate, production, etc.

Purpose of String	Size Hole	Size Casing Set (in O.D.)	Weight lbs./ft.	Setting Depth	Type of Cement	# Sacks Used	Type and Percent Additives
Surface	12 3/4	8 5/8	20.5	206.63	60/40 Polmix	135	2% Gel 3% G.C.
Production	7 7/8	4 1/2	10.5	4561	EA-2	100	

Purpose:

Perforate	Protect Casing	Plug Back ID	Plug Off Zone
Depth	Type of Cement	#Sacks Used	Type and Percent Additives

PERFORMANCE RECORD - Bridge Plugs Set/Type  
 Specify Footage of Each Interval Perforated  
 Acid, fracture, shot, cement squeeze record (Amount and Kind of Material Used) Depth

Shots Per Foot	PERFORMANCE RECORD - Bridge Plugs Set/Type	Acid, fracture, shot, cement squeeze record (Amount and Kind of Material Used) Depth
4 SPF	4510-13	Squeeze-20SX
4 SPF	4509-12	4513

TUBING RECORD

Size	Set At	Packer At	Liner Run
			<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Date of first, resumed production, SID or Inj. n/a  
 Producing Method  flowing  pumping  gas lift  other (explain)

Estimated Production Per 24 Hours  
 Oil Bbls. -0- 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) non-commercial (plug)  
 Production Interval

11/13/80

TRILOBITE TESTING L.L.C.

OPERATOR : COYOTE, INC DATE 06/15/95  
 WELL NAME: OTIS #1-6 KB 2523.00 ft TICKET NO: 7934 DST #2  
 LOCATION : 6-17S-24W, NESS COUNTY GR 0.00 ft FORMATION: MISS. DOLO.  
 INTERVAL : 4436.00 To 4515.00 ft TD 4515.00 ft TEST TYPE: CONVENTIONAL

RECORDER DATA

Mins	Field	1	2	3	4	TIME DATA-----
PF 30 Rec.	13849	13849	13754			PF Fr. 30 to hr
SI 60 Range(Psi )	4375.0	4375.0	4000.0	0.0	0.0	IS Fr. to 1 hr
SF 30 Clock(hrs)	25810	25810	25108			SF Fr. 30 to hr
FS 60 Depth(ft )	4511.0	4511.0	4440.0	0.0	0.0	FS Fr. to 1 hr

	Field	1	2	3	4	
A. Init Hydro	2367.0	2379.0	0.0	0.0	0.0	T STARTED hr
B. First Flow	111.0	120.0	0.0	0.0	0.0	T ON BOTM hr
B1. Final Flow	144.0	137.0	0.0	0.0	0.0	T OPEN 2150 hr
C. In Shut-in	1150.0	1135.0	0.0	0.0	0.0	T PULLED 0050 hr
D. Init Flow	188.0	181.0	0.0	0.0	0.0	T OUT hr
E. Final Flow	200.0	191.0	0.0	0.0	0.0	
F. Fl Shut-in	1150.0	1121.0	0.0	0.0	0.0	TOOL DATA-----
G. Final Hydro	2290.0	2283.0	0.0	0.0	0.0	Tool Wt. 0.00 lbs
Inside/Outside	0	0	I			Wt Set On Packer 0.00 lbs
						Wt Pulled Loose 0.00 lbs
						Initial Str Wt 0.00 lbs
						Unseated Str Wt 0.00 lbs
						Bot Choke 0.75 in
						Hole Size 7.88 in
						D Col. ID 0.00 in
						D. Pipe ID 3.80 in
						D.C. Length 0.00 ft
						D.P. Length 0.00 ft

RECOVERY

Tot Fluid 271.00 ft of 0.00 ft in DC and 271.00 ft in DP  
 62.00 ft of OIL CUT MUD - 40% OIL, 60% MUD  
 124.00 ft of OIL CUT MUD - 20% OIL, 80% MUD  
 85.00 ft of OIL & WATER CUT MUD - 5% OIL, 30% WATER,  
 0.00 ft of 65% MUD  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of  
 0.00 ft of

RW .43 @ 80 F

SALINITY 16000.00 P.P.M. A.P.I. Gravity 0.00

BLOW DESCRIPTION

INITIAL BLOW -  
 WEAK BUILDING TO FAIR BLOW, BOTTOM OF  
 BUCKET IN 28 MIN

FINAL BLOW -  
 WEAK, BUILDING TO 7"

SAMPLES:  
 SENT TO:

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 KANSAS CORPORATION COMMISSION

DEC 21 1995

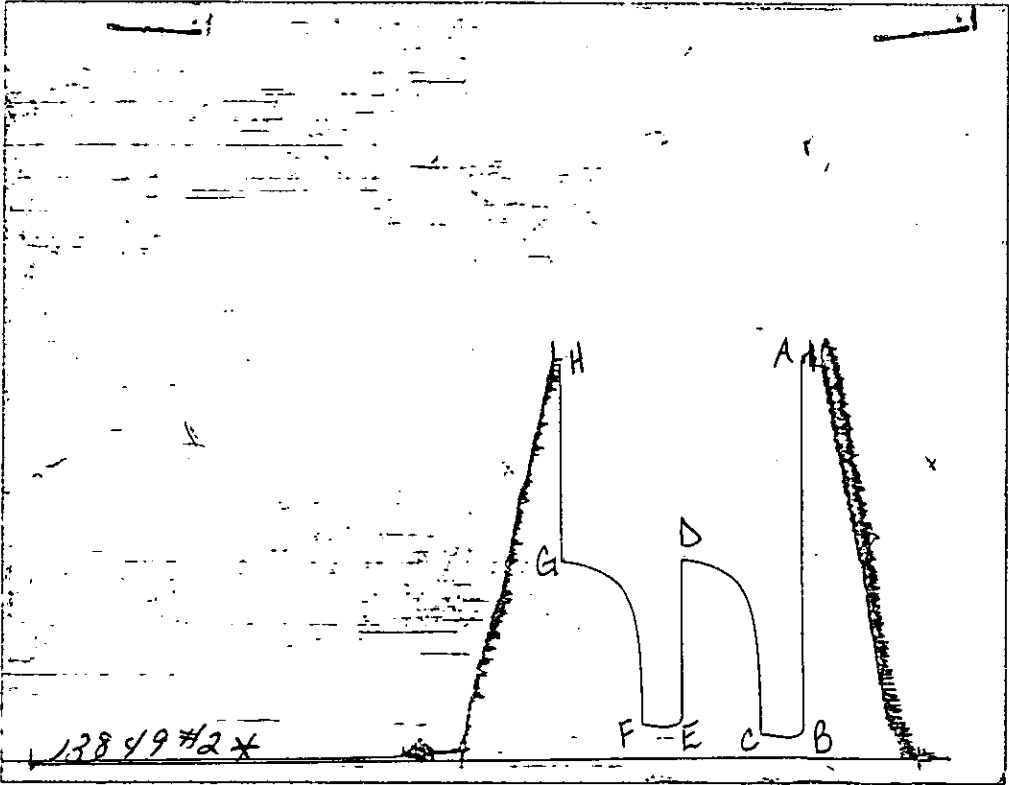
CONSERVATION DIVISION  
 WICHITA, KS

MUD DATA-----

Mud Type	CHEMICAL
Weight	9.60 lb/cf
Vis.	54.00 S/L
W.L.	12.00 in3
F.C.	0.00 in
Mud Drop	
Amt. of fill	0.00 ft
Btm. H. Temp.	121.00 F
Hole Condition	
% Porosity	0.00
Packer Size	6.75 in
No. of Packers	2
Cushion Amt.	0.00
Cushion Type	
Reversed Out	
Tool Chased	
Tester	DAN BANGLE
Co. Rep.	ZEB STEWART
Contr.	DISCOVERY
Rig #	1
Unit #	
Pump T.	

Test Successful: Y

CHART PAGE



This is an actual photograph of an AK1 recorder chart

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DEC 21 1995  
CONSERVATION DIVISION  
WICHITA, KS

ORIGINAL

**CALCULATED RECOVERY ANAL DRILL PIPE**

**ORIGINAL**

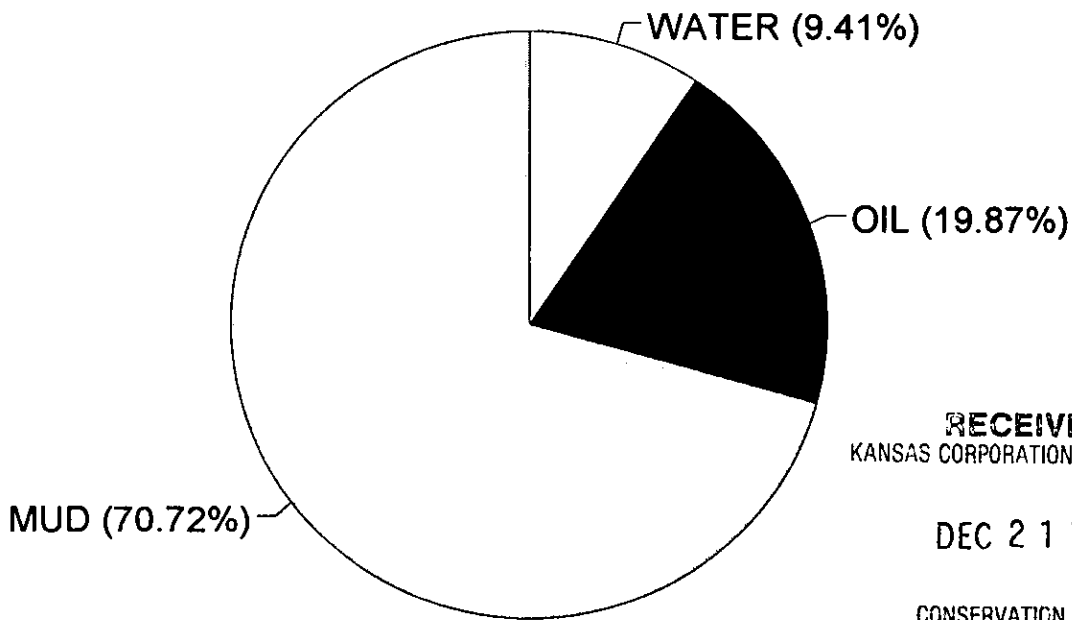
DST # 2

TICKET # 7934

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	62		0	40	24.8		0	60	37.2
2	124		0	20	24.8		0	80	99.2
3	85		0	5	4.25	30	25.5	65	55.25
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
<b>TOTAL</b>	<b>271</b>	<b>0.00</b>	<b>0</b>	<b>19.87</b>	<b>53.85</b>	<b>9.409594</b>	<b>25.5</b>	<b>70.72</b>	<b>191.65</b>

**HRS OPE BBL/DAY**

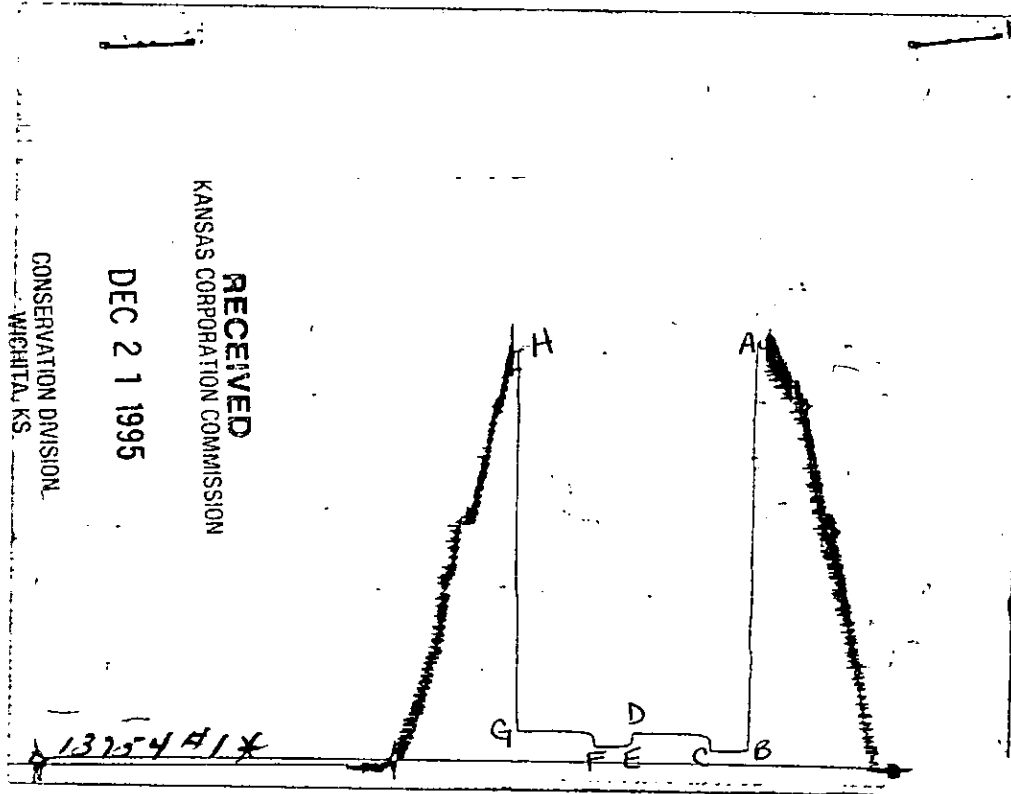
BBL OIL= 0.765747 \* 1.00 18.38  
 BBL WATER= 0.36261 \* 8.70  
 BBL MUD= 2.725263  
 BBL GAS 0



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 CONSERVATION DIVISION  
 WICHITA, KS



CHART PAGE



This is an actual photograph of an AK1 recorder chart

ORIGINAL

**CALCULATED RECOVERY ANAL DRILL PIPE**

DST # 1

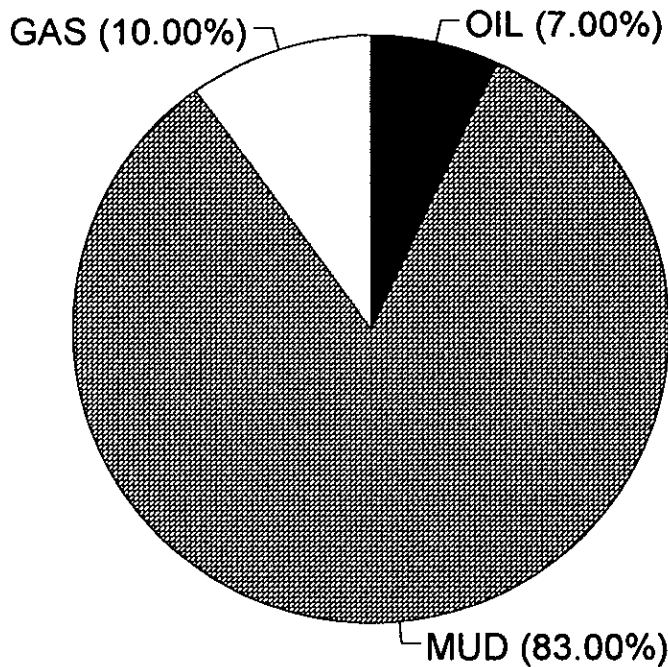
TICKET # 7933

SAMPLE #	TOTAL FEET	GAS		OIL		WATER		MUD	
		%	FEET	%	FEET	%	FEET	%	FEET
1	107	10	10.7	7	7.49		0	83	88.81
2			0		0		0		0
3			0		0		0		0
4			0		0		0		0
5			0		0		0		0
6			0		0		0		0
<b>TOTAL</b>	<b>107</b>	<b>10.00</b>	<b>10.7</b>	<b>7.00</b>	<b>7.49</b>	<b>0</b>	<b>0</b>	<b>83.00</b>	<b>88.81</b>

HRS OPE BBL/DAY

BBL OIL= 0.106508 \* 1.00 2.56  
 BBL WATER= 0 \* 0.00  
 BBL MUD= 1.262878  
 BBL GAS 0.152154

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 KANSAS CORPORATION COMMISSION

DEC 21 1995

CONSERVATION DIVISION  
 WICHITA, KS





CHARGE TO: **COVATE OIL**

ADDRESS: **COVATE OIL**

CITY, STATE, ZIP CODE: **COVINGTON, LA 70003**

DUNCAN COPY

TICKET: **806867 - 6**

DATE: **6-9-95**

PAGE: **1** OF **2**

SERVICE LOCATIONS: **HAYS, KS**

WELL/PROJECT NO.: **1-b**

LEASE: **OTIS**

COUNTY/PARISH: **NESS**

STATE: **KS**

CITY/OFFSHORE LOCATION: **COVINGTON**

DATE: **6-9-95**

OWNER: **SAME**

TICKET TYPE:  SERVICE  SALES

NITROGEN JOB?  YES  NO

CONTRACTOR: **DISCOVERY DRUG**

RIG NAME/NO.: **010**

SHIPPED VIA: **KING**

DELIVERED TO: **LOCATIONS**

ORDER NO.: **15135238850000**

WELL TYPE: **01**

WELL CATEGORY: **01**

JOB PURPOSE: **010**

WELL PERMIT NO.: **15135238850000**

WELL LOCATION: **68 - 175 - 24W**

REFERRAL LOCATION: **COVINGTON, LA**

INVOICE INSTRUCTIONS: **COVINGTON, LA**

PRICE REFERENCE	SECONDARY REFERENCE/PART NUMBER	ACCOUNTING			DESCRIPTION	QTY.		UNIT PRICE		AMOUNT
		LOC	ACCT	DF			U/M			
000-117		1			MILEAGE	110	MP	2.75		302.50
001-016		1			PUMP SERVICE	206	HR	585.00		585.00
030-503		1			WOOD PLUG	1	SA	950.00		950.00

ORIGINAL

DEC 27 1995

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X *Thomas*

DATE SIGNED: **6-9-95**

TIME SIGNED: **2200**

AM  P.M.

do  do not require IPC (Instrument Protection).  Not offered

SUB SURFACE SAFETY VALVE WAS:  PULLED & RETURN  PULLED  RUN

TYPE LOCK: \_\_\_\_\_ DEPTH: \_\_\_\_\_

BEAN SIZE: \_\_\_\_\_ SPACERS: \_\_\_\_\_

TYPE OF EQUALIZING SUB: \_\_\_\_\_ CASING PRESSURE: \_\_\_\_\_

TUBING SIZE: \_\_\_\_\_ TUBING PRESSURE: \_\_\_\_\_ WELL DEPTH: \_\_\_\_\_

TREE CONNECTION: \_\_\_\_\_ TYPE VALVE: \_\_\_\_\_

CUSTOMER DID NOT WISH TO RESPOND

SURVEY: \_\_\_\_\_ AGREE \_\_\_\_\_ UN-DECIDED \_\_\_\_\_ DIS-AGREE \_\_\_\_\_

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN? \_\_\_\_\_

WE UNDERSTOOD AND MET YOUR NEEDS? \_\_\_\_\_

OUR SERVICE WAS PERFORMED WITHOUT DELAY? \_\_\_\_\_

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY? \_\_\_\_\_

ARE YOU SATISFIED WITH OUR SERVICE?  YES  NO

PAGE TOTAL: **982.50**

FROM CONTINUATION PAGE(S): **159484**

SUB-TOTAL: **2577.34**

APPLICABLE TAXES WILL BE ADDED ON INVOICE

**CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES** The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): **X Thomas**

CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): *Thomas*

HALLIBURTON OPERATOR/ENGINEER: **WAYNE E. WELLS**

EMP #: **B9377**

HALLIBURTON APPROVAL: \_\_\_\_\_





# JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

MOB CONTRACT  
HAYS, KS

BILLED ON TICKET NO.

806807

## WELL DATA

FIELD \_\_\_\_\_ SEC. 6 TWP. 17S RNG. 24W COUNTY NESS STATE KS

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_

FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_

INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD

PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD

COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_

PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_

BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_

MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	<u>4</u>	<u>20</u>	<u>R5/8</u>	<u>KB</u>	<u>206.63</u>	
LINER						
TUBING						
OPEN HOLE			<u>12 1/4</u>	<u>206.63</u>	<u>208</u>	SHOTS/FT. _____
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
FLOAT COLLAR		
FLOAT SHOE		
GUIDE SHOE		
CENTRALIZERS		
BOTTOM PLUG		
TOP PLUG	<u>1</u>	<u>Howko</u>
HEAD	<u>1</u>	<u>"</u>
PACKER		
OTHER		

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>6-9</u>	DATE <u>6-9</u>	DATE <u>6-9</u>	DATE <u>6-9</u>
TIME <u>1900</u>	TIME <u>2130</u>	TIME <u>2215</u>	TIME <u>2355</u>

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
<u>W. WILSON</u>	<u>B9377</u>	<u>HAYS, KS</u>
<u>D. ASH</u>	<u>E1604</u>	<u>"</u>
<u>G. BRESSLER</u>	<u>52160</u>	<u>"</u>
	<u>DECK UP</u>	
	<u>39604</u>	
	<u>CON 80</u>	
	<u>51143</u>	
	<u>BULK</u>	
	<u>3860</u>	

### MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API

DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. API

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %

SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN

NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN

FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_

GELLING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN

BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_

BLOCKING AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_

PERFPAC BALLS TYPE \_\_\_\_\_

OTHER \_\_\_\_\_

OTHER \_\_\_\_\_

DEPARTMENT CEMENT

DESCRIPTION OF JOB R5/8" SURFACE

JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR Wayne W. H. COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK SACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	<u>135</u>	<u>40% POZ</u>	<u>60% STD</u>	<u>B</u>	<u>2% GEL, 3% CC</u>	<u>1.30</u>	<u>14.0</u>

## PRESSURES IN PSI

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_

BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_

AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_

SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN \_\_\_\_\_

HYDRAULIC HORSEPOWER \_\_\_\_\_

ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_

AVERAGE RATES IN BPM \_\_\_\_\_

TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_

CEMENT LEFT IN PIPE \_\_\_\_\_

FEET 15' REASON REQUESTED

## SUMMARY

PRESLUSH: BBL.-GAL. \_\_\_\_\_ TYPE \_\_\_\_\_

LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_

TREATMENT: BBL.-GAL. \_\_\_\_\_ DISPL. BBL. 12.8

CEMENT SLURRY BBL. 31.3

TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

## REMARKS

SEE JOB LOG & CHART

THANK YOU

CUSTOMER: \_\_\_\_\_  
 DATE: 6-9-95  
 WELL NO: 1-6  
 JOB TYPE: 8 5/8" SURFACE



JOB LOG HAL-2013-C

CUSTOMER		WELL NO.		LEASE		JOB TYPE		TICKET NO.	
COYOTE OIL		1-6		OTIS		8 1/8" SURFACE		806867	
CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS (T/C)	PRESSURE (PSI) TUBING	CASING	DESCRIPTION OF OPERATION AND MATERIALS		
	1900						CALLED OUT		
	2130						ON LOCATION - DISCUSS JOB PROCEDURE		
	2215						BREAK CIRCULATION		
	2236	5	31.3	✓	400		MIX CEMENT ORIGINAL		
	2243						RELEASE PLUG		
	2245	6 1/2	0	✓	450		DISPLACE PLUG		
	2247		12.8				PLUG DOWN 20 SKS CEMENT TO PCT		
	2248						SUMP IN MAJFOA		
							WASH UP		
							PACK UP		
	2355						JOB COMPLETE		

OPERATION  
 DEC 21 1995  
 CONSERVATION DIVISION  
 WICHITA, KS

THANK YOU  
 WAYNE, DAVE  
 GARY

PUMPING TIME MW



# HALLIBURTON

## HALLIBURTON ENERGY SERVICES

HAL-1906-N

CHARGE TO: **CONVOYE OIL**

ADDRESS: \_\_\_\_\_

CITY, STATE, ZIP CODE: \_\_\_\_\_

**DUNCAN COPY**

2300 MAQUIN...  
 2310 MAQUIN...  
 2320 MAQUIN...  
 2330 MAQUIN...  
 2340 MAQUIN...  
 2350 MAQUIN...  
 2360 MAQUIN...  
 2370 MAQUIN...  
 2380 MAQUIN...  
 2390 MAQUIN...  
 2400 MAQUIN...

**TICKET**

806872 - 0

DATE: 6-11-95

OWNER: SAME

SERVICE LOCATIONS	WELL/PROJECT NO.	LEASE	COUNTY/PARISH	STATE	CITY/OFFSHORE LOCATION	DATE	OWNER
1. HAYS, KS	16	OTIS	WESS	KS		6-11-95	SAME
TICKET TYPE:	NITROGEN JOB?	CONTRACTOR:	RIG NAME/NO.	SHIPPED VIA	DELIVERED TO	ORDER NO.	
3. SALES	NO	DISCON. DRILLING		5143	LOCAL		
WELL TYPE	WELL CATEGORY	JOB PURPOSE	WELL PERMIT NO.	WELL LOCATION			
4. A	01	035	KS135238850000	65-115-24W			
REFERRAL LOCATION	INVOICE INSTRUCTIONS						

PRICE REFERENCE	SECONDARY REFERENCE PART NUMBER	ACCOUNTING	DESCRIPTION	QTY.	U/M	QTY.	U/M	UNIT PRICE	AMOUNT
000-117		NON-COMMISSION	MILEAGE	70	HR			2.70	192.50
001-016		1995	PUMP SERVICE	4	HR			1765.00	1765.00
030-016		CONSERVATION DIVISION WICHITA, KS	TOP PLUG SW	1	HR			55.00	55.00
12A	825.251		GUIDE SHOES	1	HR			98.00	98.00
24A	815.19101		INSERT FLAT VALVE (B)	1	HR			188.00	188.00
50	806.60104		CENTRALIZER - FLUID MASTER (H)	7	HR			60.00	420.00
60	807.00044		<del>WIRE CABLE 7.45 (B)</del>	4	HR	20		30.00	120.00
66	807.64021		<del>LEAF CABLE</del>	6	HR	42		11.20	67.20
320	800.8381		BASKETS (H)(B)	4	HR	42		105.00	420.00
73	813.0141		PORT COVER	1	HR	42		1300.00	1300.00
314-163			CUMEX II	1/2	HR			28.00	42.00
018-315			MUDFLUSH	500	HR			65	325.00

**LEGAL TERMS:** Customer hereby acknowledges and agrees to the terms and conditions on the reverse side hereof which include, but are not limited to, **PAYMENT, RELEASE, INDEMNITY, and LIMITED WARRANTY** provisions.

MUST BE SIGNED BY CUSTOMER OR CUSTOMER'S AGENT PRIOR TO START OF WORK OR DELIVERY OF GOODS

X *William I. Skeen*

DATE SIGNED: 6-16-95

TIME SIGNED: 2:00 P.M.

do  do not require IPC (Instrument Protection).  Not offered

SUB SURFACE SAFETY VALVE WAS:

PULLED & RETURN  PULLED  RUN

**SURVEY:**  AGREE  UN-DECIDED  DIS-AGREE

OUR EQUIPMENT PERFORMED WITHOUT BREAKDOWN?

WE UNDERSTOOD AND MET YOUR NEEDS?

OUR SERVICE WAS PERFORMED WITHOUT DELAY?

WE OPERATED THE EQUIPMENT AND PERFORMED JOB CALCULATIONS SATISFACTORILY?

ARE YOU SATISFIED WITH OUR SERVICE?  YES  NO

CUSTOMER DID NOT WISH TO RESPOND

PAGE TOTAL: 4782.50

FROM CONTINUATION PAGE(S): 2931.65

SUB-TOTAL APPLICABLE TAXES WILL BE ADDED ON INVOICE: 7714.15

**CUSTOMER ACCEPTANCE OF MATERIALS AND SERVICES** The customer hereby acknowledges receipt of the materials and services listed on this ticket.

CUSTOMER OR CUSTOMER'S AGENT (PLEASE PRINT): *Bill Skeen*

CUSTOMER OR CUSTOMER'S AGENT (SIGNATURE): X *Bill Skeen*

HALLIBURTON OPERATOR/ENGINEER: *WAYNE WILSON*

EMP #: 84377

HALLIBURTON APPROVAL: \_\_\_\_\_





JOB LOG HAL-2013-C

DATE: 6-17-95 PAGE NO: 1

CUSTOMER: COYOTE OIL WELL NO.: 1-6 LEASE: OTTS JOB TYPE: 4 1/2" LONG STRING TICKET NO.: R06872

CHART NO.	TIME	RATE (BPM)	VOLUME (BBL) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
	1700							CALLED OUT
	2000							ON LOCATION - DISCUSS JOB PROCEDURE
1	0205							BREAK CIRCULATION
	0250	6	12		✓		300	PUMP MUDFLUSH
	0253	6	20		✓		350	PUMP CLAYEX II PREFLUSH
	0300		5.6					PLUG PATHHOLE - MOUSEHOLE (25 GALS)
	0307	5.5	29.8		✓		275	MIX CEMENT - ROTATE CASING
	0315							WASH OUT PUMP - LEJES
	0316							RELEASE PLUG
	0318	7	0		✓		500	DISPLACE PLUG
	0328		73.1				1000	PLUG DOWN
	0329						OK	RELEASE PST - HELD
								WASH-UP
								BACK-UP
	0430							JOB COMPLETE
								THANK YOU WAKJE, DAVE CRAIG
								TOTAL PUMP TIME 40 MIN

RECEIVED  
NICHOLS CORPORATION COMMISSION  
DEC 27 1995  
CONSERVATION DIVISION  
NICHOLS, KS

CUSTOMER



# JOB SUMMARY

HALLIBURTON DIVISION  
HALLIBURTON LOCATION

MADE CONTINENT  
HAYS, KS

BILLED ON TICKET NO. 800872

## WELL DATA

FIELD \_\_\_\_\_ SEC 6 TWP. 17S RING. 24W COUNTY NESS STATE KS

FORMATION NAME \_\_\_\_\_ TYPE \_\_\_\_\_  
 FORMATION THICKNESS \_\_\_\_\_ FROM \_\_\_\_\_ TO \_\_\_\_\_  
 INITIAL PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
 PRESENT PROD: OIL \_\_\_\_\_ BPD. WATER \_\_\_\_\_ BPD. GAS \_\_\_\_\_ MCFD  
 COMPLETION DATE \_\_\_\_\_ MUD TYPE \_\_\_\_\_ MUD WT. \_\_\_\_\_  
 PACKER TYPE \_\_\_\_\_ SET AT \_\_\_\_\_  
 BOTTOM HOLE TEMP. \_\_\_\_\_ PRESSURE \_\_\_\_\_  
 MISC. DATA \_\_\_\_\_ TOTAL DEPTH \_\_\_\_\_

	NEW USED	WEIGHT	SIZE	FROM	TO	MAXIMUM PSI ALLOWABLE
CASING	U	10.8	4 1/2	KR	4562	
LINER						
TUBING						
OPEN HOLE			5 7/8	4562	4563	SHOTS/FT.
PERFORATIONS						
PERFORATIONS						
PERFORATIONS						

## JOB DATA

### TOOLS AND ACCESSORIES

TYPE AND SIZE	QTY.	MAKE
<del>FLYER COLLAR SPACERS</del>	<del>4</del>	<del>BAKER</del>
FLOOR/BHOG INSET FLOAT	1	BAKER
GUIDE SHOE	1	HOWCO
CENTRALIZERS FLUID MASTERS	7	HOWCO
<del>BOTTOM/BHOG COMPS</del>	<del>6</del>	<del>HOWCO</del>
TOP PLUG SW	1	HOWCO
HEAD PC	1	HOWCO
PACKER BASKETS	2	BAKER
OTHER BASKETS	2	HOWCO

CALLLED OUT	ON LOCATION	JOB STARTED	JOB COMPLETED
DATE <u>6-16</u>	DATE <u>6-16</u>	DATE <u>6-17</u>	DATE <u>6-17</u>
TIME <u>1700</u>	TIME <u>2000</u>	TIME <u>0200</u>	TIME <u>0430</u>

## PERSONNEL AND SERVICE UNITS

NAME	UNIT NO. & TYPE	LOCATION
W. WILSON	R9377	PICK UP 39604 HAYS, KS
D. ASH	E1609	COMBO 51143 "
C. DODSON		BULL 3860 "

### MATERIALS

TREAT. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. °API  
 DISPL. FLUID \_\_\_\_\_ DENSITY \_\_\_\_\_ LB/GAL. °API  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
 PROP. TYPE \_\_\_\_\_ SIZE \_\_\_\_\_ LB.  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 ACID TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ %  
 SURFACTANT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_  
 NE AGENT TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN  
 FLUID LOSS ADD. TYPE \_\_\_\_\_ GAL. \_\_\_\_\_ IN  
 GELLING AGENT TYPE\* \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
 FRIC. RED. AGENT TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
 BREAKER TYPE \_\_\_\_\_ GAL.-LB. \_\_\_\_\_ IN  
 BLOCKING AGENT TYPE \_\_\_\_\_  
 PERFPAC BALLS TYPE \_\_\_\_\_  
 OTHER \_\_\_\_\_  
 OTHER \_\_\_\_\_

RECEIVED  
 KANSAS CORPORATION  
 DEC 27 1995  
 CONSERVATION DIVISION  
 WICHITA, KS

# ORIGINAL

DEPARTMENT CEMENT  
 DESCRIPTION OF JOB 4 1/2" LONGSTRAP  
PORT COLLAR @ 1851 JT # TOP 71  
 JOB DONE THRU: TUBING  CASING  ANNULUS  TBG/ANN.   
 CUSTOMER REPRESENTATIVE X  
 HALLIBURTON OPERATOR Way EWE COPIES REQUESTED \_\_\_\_\_

## CEMENT DATA

STAGE	NUMBER OF SACKS	CEMENT	BRAND	BULK BACKED	ADDITIVES	YIELD CU.FT./SK.	MIXED LBS./GAL.
	50	50 / 50		B	2% GEL (25 WS FOR R.H. & M.H.)	1.26	14.1
	100	STANDARD		B	5% CALSAL, 18% SALT, 3/10 HAVAD 344	1.36	15.5
					5% GEL-SHITE		

### PRESSURES IN PSI

CIRCULATING \_\_\_\_\_ DISPLACEMENT \_\_\_\_\_  
 BREAKDOWN \_\_\_\_\_ MAXIMUM \_\_\_\_\_  
 AVERAGE \_\_\_\_\_ FRACTURE GRADIENT \_\_\_\_\_  
 SHUT-IN: INSTANT \_\_\_\_\_ 5-MIN \_\_\_\_\_ 15-MIN. \_\_\_\_\_  
 HYDRAULIC HORSEPOWER \_\_\_\_\_  
 ORDERED \_\_\_\_\_ AVAILABLE \_\_\_\_\_ USED \_\_\_\_\_  
 AVERAGE RATES IN BPM \_\_\_\_\_  
 TREATING \_\_\_\_\_ DISPL. \_\_\_\_\_ OVERALL \_\_\_\_\_  
 CEMENT LEFT IN PIPE \_\_\_\_\_  
 FEET 24.23' REASON INSET

## SUMMARY

VOLUMES  
 PRESLUSS: BBL.-GAL. 12 / 20 TYPE MURFUSH/CLAVEX  
 LOAD & BKDN: BBL.-GAL. \_\_\_\_\_ PAD: BBL.-GAL. \_\_\_\_\_  
 TREATMENT: BBL.-GAL. \_\_\_\_\_ DISP. BBL.-GAL. 72.1  
 CEMENT SLURRY: BBL.-GAL. 11.2 = 24.2 = 35.4  
 TOTAL VOLUME: BBL.-GAL. \_\_\_\_\_

## REMARKS

SEE JOB LOG & CHART  
 THANK YOU

CUSTOMER: COBITE OIL  
 LEASE: LEASE  
 WELLS: WELLS  
 JOB TYPE: 4 1/2" LONGSTRAP  
 DATE: 6-0-95