

SIDE ONE

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

API NO. 15- 151-22,046-0000

County Pratt  
SW SE SE Sec. 34 Twp. 26 Rge. 12 XX East West

Operator: License # 5030

330 Ft. North from Southeast Corner of Section

Name: Vess Oil Corporation

990 Ft. West from Southeast Corner of Section  
(NOTE: Locate well in section plat below.)

Address 8100 E. 22nd St. N.

Lease Name Mardis Well # 5

Bldg. 300

Field Name Stead South

City/State/Zip Wichita, KS 67226

Producing Formation Miss.

Purchaser: Texaco Trading & Transportation

Elevation: Ground 1885 KB 1893

Operator Contact Person: Bill Horigan

Total Depth 4315 PBDT 4261

Phone ( 316 ) 682-1537

Contractor: Name: Duke Drilling Co., Inc.

License: 5929

Wellsite Geologist: Kim B. Shoemaker

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  Temp. Abd.  Wichita, Kansas

Gas  Inj  Delayed Comp.

Dry  Other (Core, Water Supply, etc.)

If OMO: old well info as follows:

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

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

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

Drilling Method:

Mud Rotary  Air Rotary  Cable

3/28/91 4/4/91 4/20/91

Spud Date Date Reached TD Completion Date

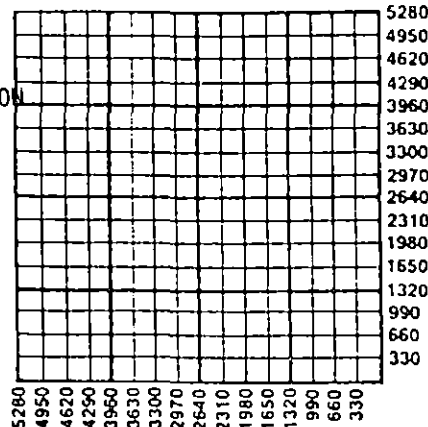
Amount of Surface Pipe Set and Cemented at 296 Feet

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.



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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 WR Horigan

Title Operations Manager Date 7/24/91

Subscribed and sworn to before me this 24<sup>th</sup> day of July, 19 91.

Notary Public Paula K. Driskell

Date Commission Expires June 27, 1994

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)



P1

SIDE TWO

Operator Name Vess Oil Corporation Lease Name Mardis Well # 5  
 Sec. 34 Twp. 26 Rge. 12  East County Pratt  
 West

**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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Attach Additional Sheets.)  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 <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No (Submit Copy.)	<p style="text-align: center;"><b>Formation Description</b></p> <p style="text-align: center;"><input type="checkbox"/> Log <input type="checkbox"/> Sample</p> <p style="text-align: center;">Name <span style="margin-left: 100px;">Top</span> <span style="margin-left: 100px;">Bottom</span></p> <p style="text-align: center; font-size: 1.2em;">SEE ATTACHED</p>
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**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	10-3/4	32	296	60/40poz	200	2%Gel 3%cc
Production	7-7/8	4-1/2	10.5	4312	Class A	25	
					60/40poz	150	2%Gel 18%salt

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used) Depth
2	4162-72'; 4176-86'; 4190-4200'; 4204-14'; 4220-30'	1500 Gal. 7 1/2% MCA 4162-4230 Frac'd w/167,000 lbs. sand and 2000 Bbl gelled water

<b>TUBING RECORD</b>	Size 2-3/8	Set At 4160'	Packer At N/A	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
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Date of First Production 4/20/91	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)
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Estimated Production Per 24 Hours	Oil	Bbls.	Gas	Mcf	Water	Bbls.	Gas-Oil Ratio	Gravity
		34		142		2	4176	40

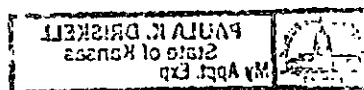
Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

**METHOD OF COMPLETION**

Open Hole  Perforation  Dually Completed  Commingled

Other (Specify) \_\_\_\_\_

Production Interval 4162-4230'







P.O. Box 4442  
Houston, Tx. 77210

REMIT TO: P.O. Box 100806, Houston, Tx. 77212

15-151-22046-0000

SERV OPERATIONS CONTRACT  
TERMS 30 DAYS FROM DATE OF CONTRACT

ORIGINAL

CUSTOMER ACCOUNT NO.		DIST NAME <i>MED. CASE</i>		NEW WELL <input checked="" type="checkbox"/> OLD WELL <input type="checkbox"/>	WELL TYPE <i>0</i>	JOB NUMBER	
CUSTOMER <i>Vess Oil Co.</i>		DIST NUMBER <i>584</i>		WELL NO. <i>2</i>	LEASE NAME & FEDERAL OFFSHORE LEASE NO. <i>MARDES</i>		
ADDRESS				COUNTY/PARISH <i>PRATT</i>	CODE	STATE <i>KANS</i>	CODE
CITY		STATE	ZIP	FIELD NAME			CITY CODE
AUTHORIZED BY: <i>(Please Print) BILL</i>			ORDER NO.	WELL OWNER <i>Vess Oil Co.</i>			MTA CODE
STAGE NO.	JOB CODE	WORKING DEPTH <i>4315</i> FT		PUMPING EQUIPMENT		TIME (A OR P)	
TOTAL PREV. GALS.		1 SURFACE <input type="checkbox"/>	2 INTERMEDIATE <input type="checkbox"/>	3 PRODUCTION <input type="checkbox"/>	TRUCK CALLED		DATE MM DD YY
TOTAL MEAS. DEPTH FT.		SIZE HOLE <i>7 7/8</i>		DEPTH <i>4315</i> FT		ARRIVED AT JOB <i>19:00 P 01/09/91</i>	
AVG. PSI.		SIZE & WT. CASING <i>4 1/2 10.5</i>		DEPTH <i>4315</i> FT		START OPERATION <i>12:00 A 02/05/91</i>	
MAX. PSI.		SIZE & WT. DRILL PIPE OR TUBING		DEPTH		FINISH OPERATION <i>01/05/91</i>	
PACKER DEPTH		FLUID PUMPED		MILES FROM STATION TO WELL <i>40</i>		SALESMAN NUMBER	
CUSTOMER INSTRUCTIONS FOR DISPOSAL OF RETURNED CEMENT							
REMARKS							

*100 close*

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CONTRACT CONDITIONS: (This contract must be signed before the job is commenced or merchandise is delivered)  
The undersigned is authorized to execute this contract as an agent of the customer. As such, the undersigned agrees and acknowledges that this contract for services, materials, products, and/or supplies includes all of and only those terms and conditions appearing on the front and back of this document. No additional or substitute terms and/or conditions shall become a part of this contract without the written consent of an officer of BJ SERVICES.

PRICE BOOK REF. NO.	QUANTITY	DESCRIPTION	UNIT PRICE	UM	PRICE EXTENSION
<i>012</i>		SIGNED: <i>X W.R. Hodge</i> (WELL OWNER, OPERATOR, CONTRACT OR AGENT)			
1	1	Pump Charge	1200.00	E	1200.00
2	15	Pump Mileage	2.35	E	35.25
3	125	CLASS A <i>EMW 100/70</i>	5.50	Q	687.50
4	70	Fly Ash <i>60/40</i>	2.91	Q	203.70
5	301	BJ GEL <i>1150 60/40</i>	.14	L	42.14
6	1975	A-5 (SALT)	.11	L	217.25
7	75	CD-31	3.87	L	290.25
8	25	FP-8	2.55	L	63.75
9	223	MIXING CHARGE	1.10	Q	245.30
10	336	DRA YAGE 9.6 TON X 35 MI	.75	E	252.00

SERVICE REPRESENTATIVE *Neal Rupp* THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: *X W.R. Hodge*

CHECK IF CONTINUATION IS USED (WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

CUSTOMER: This is not an invoice - This Service Operations Contract is subject to review and correction by our Accounting Department.

# ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31

Russell, Kansas 67665

ORIGINAL No. 1072

*WPK*  
*New*

Date	3-28-91	Sec.	34	Twp.	26	Range	12	Called Out	1 30 PM	On Location	4 30 PM	Job Start	7:45	Finish	8 55 PM	
Lease	Mardis	Well No.	#5	Location				S.F. 0.50 + 61 1/2 x 1/2 NW 1/4 Sec 34	County	Pratt	State	KS				
Contractor	TRANS Pac Drilling A.G. #1															
Type Job	Surface Pipe Job															
Hole Size	14 1/2	T.D.	298 ft													
Csg.	10 3/4	Depth	298 ft													
Tbg. Size		Depth														
Drill Pipe		Depth														
Tool		Depth														
Cement Left in Csg.	20 ft	Shoe Joint														
Press Max.		Minimum														
Meas Line	✓	278 ft	Displace	27.2 bbls												
Perf.																

**EQUIPMENT**

No.	Cementer	Miller
Pumptrk 120	Helper	Brad
No.	Cementer	BRAD
Pumptrk	Helper	Bond
	Driver	Jock S.
Bulktrk 68	Driver	

DEPTH of Job 298 ft

Reference:		
10	pump truck charge	380.00
10	mileage charge	20.00
1	wooden plug	47.00
	<del>Sub Total</del>	
	Total	447.00

Remarks: Cement did circulate

*Thank You*

Allied Cementing Co Inc  
Mike Morsch

Owner  
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 *Ness Oil Corporation*  
Street *8100 E. 22nd N Bldg Suite 300*  
City *Wichita* State *Ks 67226*  
The above was done to satisfaction and supervision of owner agent or contractor.

Purchase Order No. *X*  
*Jerry Pugh*  
Amount Ordered *200.00 2+3 00*

Consisting of

Common	120	5.25	630.00
Poz. Mix	80	2.25	180.00
Gel.	4	6.75	N/C
Chloride	6	21.00	126.00
Quickset			

Handling	200 RECEIVED	1.00	200.00
Mileage	40 STATE CORPORATION COMMISSION		320.00

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Total \$ 1456.00

Floating Equipment

TOTAL \$ 1903.00  
Disc - 380.60  
\$ 1522.40

ATTACHMENT SHEET  
TO ACO-1

Mardis #5-34  
Approx. SW SE SE  
Sec. 34-26S-12W  
Pratt County, Kansas

DST #1 - 3956-4000 Zn. L/KC  
Times: 30-30-30-30  
Blow: 1st open: 1" blow  
2nd open: 1/2" blow  
Rec.: 10' of GCM  
IFP: 20-22 FFP: 22-22  
ISIP: 25-22

DST #2 - 4129-4245 Zn. Miss.  
Times: 30-45-45-60  
Blow: 1st open: Strong Blow  
Bottom - 15 min.  
2nd open: Strong Blow  
Bottom - 2 min.  
Rec.: 600' GIP 50' GLM  
IFP: 71-71 FFP: 79-81  
ISIP: 258 FSIP: 273  
HP: 2075

Sample Tops

Heebner	3517	(-1624)
Brown Lime	3701	(-1808)
Lansing	3716	(-1823)
BKC	4066	(-2173)
Miss.	4160	(-2267)
B/Chert	4239	(-2346)

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DATE: 04/04/91

TIME: 12:39

MEASURED	STANDARD	MINIMUM	MAXIMUM	DEVIATION	UNITS
ALUMINUM BLOCK	2.51	2.59	2.57	2.46	0.029 GC3

15-151-22046-0000

ORIGINAL

## MASTER CALIBRATION SUMMARY

FILE:

DATE: 04/04/91

TIME: 12:11

VERSION: 1.50

## GR 028 API CAL

DATE: 03/13/91

TIME: 18:43

MEASURED	UNITS	STANDARD	MINIMUM	MAXIMUM	DEVIATION	UNITS	
SHOP: BACKGROUND	49.0	CPS	0.0	88.8	110.3	6.80	API
SHOP: CALIBRATOR	195.9	CPS	300.0	371.7	432.7	12.23	API

## CNP 000 FAR CAL

DATE: 03/13/91

TIME: 11:39

MEASURED	UNITS	STANDARD	MINIMUM	MAXIMUM	DEVIATION	UNITS	
SHOP ZERO	0.0	CPS	0.0	0.0	0.0	0.00	CPS
SHOP CAL: JIG	440.8	CPS	408.0	365.9	455.3	16.72	CPS

## CNP 000 NEAR CAL

DATE: 03/13/91

TIME: 11:39

MEASURED	UNITS	STANDARD	MINIMUM	MAXIMUM	DEVIATION	UNITS	
SHOP CAL: FIELD JIG	0.0	CPS	0.0	0.0	0.0	0.00	CPS
SHOP TANK: SLEEVE OUT	2930.3	CPS	2950.4	2867.9	3030.4	36.55	CPS

## DENS-010 LS CAL

DATE: 03/13/91

TIME: 15:16

MEASURED	UNITS	STANDARD	MINIMUM	MAXIMUM	DEVIATION	UNITS	
SHOP CAL: ALUM BLOCK	203.0	CPS	2.59	2.61	2.58	0.004	GC3
SHOP CAL: MAG BLOCK	926.8	CPS	1.71	1.72	1.70	0.009	GC3

## DENS-010 SS CAL

DATE: 03/13/91

TIME: 15:16

MEASURED	UNITS	STANDARD	MINIMUM	MAXIMUM	DEVIATION	UNITS	
SHOP CAL: ALUM BLOCK	177.3	CPS	2.59	2.67	2.52	0.025	GC3
SHOP CAL: MAG BLOCK	290.5	CPS	1.71	1.75	1.63	0.031	GC3

## DENS-010 CALIPER CAL

DATE: 03/13/91

TIME: 15:00

MEASURED	UNITS	STANDARD	MINIMUM	MAXIMUM	DEVIATION	UNITS	
SHOP CAL: SMALL RING	1811.8	MV	6.0	6.0	6.0	0.01	INCH
SHOP CAL: LARGE RING	3618.3	MV	12.0	12.0	12.0	0.02	INCH