

ORIGINAL

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- 065-22636-00-00
County Graham ✓
NE NW Sec. 31 Twp. 7S Rge. 24W East West
4620 ✓ Ft. North from Southeast Corner of Section
3300 ✓ Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)
Lease Name Cummings ✓ Well # 1-31
Field Name Wildcat
Producing Formation Lansing
Elevation: Ground 2397 KB 2402
Total Depth 3950 PBDT _____

Operator: License # 4197
Name: Dunne Oil Company
Address 100 S. Main
Suite 410
City/State/Zip Wichita, KS 67202
Purchaser: KOCH
Operator Contact Person: Stephen W. Dunne
Phone (316) 267-3448

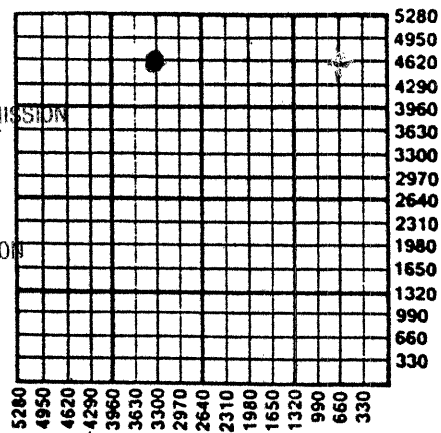
Contractor: Name: Murfin Drilling Company, Inc.
License: 30606
Wellsite Geologist: Patrick Deenihan

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SMD Temp. Abd.
 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
06-22-91 06-30-91 07-01-91
Spud Date Date Reached TD Completion Date

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JUL 30, 1991
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Wichita, Kansas



Amount of Surface Pipe Set and Cemented at 267 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2138 Feet
If Alternate II completion, cement circulated from 2813
feet depth to surface w/ 475 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 _____
Title President Date 07/26/91
Subscribed and sworn to before me this 26th day of July,
19 91.
Notary Public Stacie Stuerke
Date Commission Expires 11-2-93

STACIE STUERKE
NOTARY PUBLIC
STATE OF KANSAS
My Appl. Exp. 11-2-93

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

SIDE TWO

Operator Name Dunne Oil Company Lease Name Cummings Well # 1731
 Sec. 31 Twp. 7S Rge. 24W East West
 County Graham

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.)

Formation Description

Log Sample

Name	Top	Bottom
Anhydrite	2104	2136
Heebner	3653	
Toronto	3677	
Lansing	3694	
Stark Shale	3864	
BKC	3904	

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"		267	60/40 Poz	175	2% gel, 3% cc
Production		4-1/2"		3949	Surefill	150	

Shots Per Foot	PERFORATION RECORD Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth
4	3853-3857	250 gal INS, 1000gal INS	

TUBING RECORD Size 2-3/8th Set At 3882 Packer At _____
 Liner Run Yes No

Date of First Production _____ Producing Method Flowing Pumping Gas Lift Other (Explain) _____
 Estimated Production Per 24 Hours
 Oil 25 Bbls. Gas 0 Mcf Water 0 Bbls. Gas-Oil Ratio _____ Gravity 42

Disposition of Gas: Vented Sold Used on Lease (If vented, submit ACO-18.)
METHOD OF COMPLETION Open Hole Perforation Dually Completed Commingled
 Other (Specify) _____

DST'S

#1-31 CUMMINGS
NE NW 31-7S-24W
GRAHAM CTY., KS

DST #1-3705-3742; Lansing "B" Zone, 30-30-30-60
 Strong Blow in 7 mins. both openings, no blow back.
RECOVERED: 710' SW w/oil specks.
 IFP 33-188, ISIP 1240, FFP 222-344, FSIP 1240.
 IH 1768, FH 1746; Chl 53,000 ppm, BHT 114.

DST #2 - 3732-3762; Lans. "D" & "E" Zones, 30-30-30-30
 Wk Blow Throughout 1st Opening, Wk Blow died 20' in 2nd
 open. **RECOVERED: 30' SW w/show oil in tool.**
 IFP 33-33, ISIP 1273, FFP 44-44, FSIP 1273
 IH 1768, FH 1746; Chl 51,000, BHT 114.

DST #3 - 3763-3774; Lansing "F", 30-45-60-60.
 Blow off Bottom in 17 minutes, no BB.
RECOVERED: 270' GIP, 40' CGO, 350 SW w/scum oil.
 IFP 33-66, ISIP 1306, FFP 100-177, FSIP 1295
 IH 1801, FH 1790. Chl 60,000 ppm, BHT 115.

DST #4 - 3773-3807; Lansing "G", 30-45-60-60.
RECOVERED: 400' SW w/show oil in first stand.
 IFP 33-77, ISIP 1207, FFP 111-188, FSIP 1052
 IH 1801, FH 1757. Chl 38,000 ppm, BHT 115.

DST #5 - 3795-3830; Lansing "H", 30-45-60-60.
 Weak blow building to strong blow.
RECOVERED: 140' SW
 IFP 22-33, ISIP 1416, FFP 67-88, FSIP 1052
 IHP 1845, FHP 1823. Chl 38,000 ppm, BHT 115

DST #6 - 3831-3870, Lansing "J", 30-45-30-60.
 Strong Blow off bottom 3 mins. Blow back on s.i.
RECOVERED: 2025' GIP, 915' CGO (42 gravity), 60' OGCM.
 IFP 88-200, FSIP 1383, FFP 244-366, FSIP 1383.
 IH 1845, FHP 1823. No Water, BHT 116.

DST #7 - 3865-3892, Lansing "K", 30-45-60-60.
 Strong Blow.
RECOVERED: 60' CGO (36 Grav), 110' SW w/scum oil.
 IFP 33-33, ISIP 1185, FFP 66-88, FSIP 1074.
 IHP 1856, 1834. CHL 51,000 ppm, BHT 116.

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JUL 30 1991
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 CONSERVATION DIV
 Wichita, Kansas

BAKER SERVICE TOOLS

A Baker Hughes company

P.O. BOX 40129, HOUSTON, TEXAS 77240

SALES & SERVICE INVOICE

REMIT TO: BAKER SERVICE TOOLS

P.O. BOX 200415

HOUSTON, TEXAS 77216

TERMS: NET 30 DAYS FROM DATE OF INVOICE

15-065-22636-00-00

538-69426

ORIGINAL

DATE ISSUED: **07-08-91** SHIPPED FROM: (DISTRICT) **Hill City, Kansas**

8257

SOLD TO: Dunne Oil Co. Inc.
Wichita, Kansas

SHIP TO: COUNTY: **Graham** STATE: **Kansas**
 WELL NO.: **1-31**

PURCHASE ORDER NUMBER: **47206** REQUISITION NUMBER: **22** JOB CODE: **29** STATE TO: **29** COUNTY TO: **01** TERRITORY: **B4364** CUSTOMER CODE: **DUC** PROJECT CODE: **A4** SHIP VIA: **Cummings Our Delivery** DATE SHIPPED: **07 08 91**

ITEM	QUANTITY	COMMODITY NO.	DESCRIPTION	PRODUCT NO. F/PARTS	TAX CODE	REV. CODE	UNIT CONTROL CODE	DISC.	NET AMOUNT
01	01	898-73-9999	Rental of 4 1/2" Actuating Tool w/ Port Collar			MT	350 00	15%	297 50
02	01	898-73-9999	Minimum 8 Hour Service Period			WD	312 00	15%	265 20
03	15	898-73-9999	Car Mileage			WF	1 10		16 50
04	01	407-05-3620	Service w/ size 434 Model 2			40	1228 00	15%	1043 80
05	15	407-05-3620	Car Mileage			WF	1 10		16 50
06	01	407-05-3620	Back Charge (07-10-91)			69	388 00	15%	329 80
07	15	407-05-3620	Car Mileage (07-10-91)			WF	1 10		16 50
08	01	407-05-3620	Retrieving Charge (07-11-91)			66	326 00	15%	277 10
09	15	407-05-3620	Car Mileage (07-11-91)			WF	1 10		16 50

DO NOT PAY FROM THIS COPY
 YOU WILL BE INVOICED

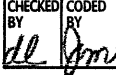
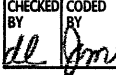
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 Wichita, Kansas

TAX

SIGNED FOR BAKER SERVICE TOOLS

 REPRESENTATIVE
 CUSTOMER'S COPY

I certify that the above materials or services have been received on the terms and conditions set forth on the reverse side hereof, which the undersigned has read and understood, that the basis for charges is correctly stated and that I am authorized to sign this memorandum as agent of owner or contractor.
 AGENT OF OWNER OR CONTRACTOR: **CONSERVATION DIVISION**
 (NAME IN FULL)

CHECKED BY:  CODED BY: 
 TOTAL

CHARGES ARE SUBJECT TO CORRECTION BY OUR INVOICING DEPARTMENT IN ACCORDANCE WITH LATEST PRICE SCHEDULES AND THE ADDITION OF APPLICABLE STATE AND LOCAL SALES/USE TAX IF NOT LISTED ABOVE.

AUG 08 '91 15:01

BILLING UNIT

P.2



A Bona Fide company

SERVICE OPERATIONS CONTRACT CONTINUATION

CONTRACT NO. 627760

DATE OF JOB 08/01/91 DISTRICT HHS DIST. NO. 583 AUTHORIZED BY Fred Edwards CUSTOMER Dunne Oil Co.

Table with columns: PRICE BOOK, QUANTITY, DESCRIPTION, UNIT PRICE, UOM, PRICE EXTENSION. Includes items like Pump Truck Charge, Pump Truck Mileage, Common Cement, Pipe, Squeeze Manifold, Handling & Pumping, and Handling 25.4 tons 4.5 mi.

SUBTOTAL 5510 95
Less 551 10
SUBTOTAL 4959 85

RECEIVED STATE CORPORATION COMMISSION AUG 12 1991

CONSERVATION DIVISION Wichita, Kansas

SERVICE REPRESENTATIVE [Signature]

THE ABOVE MATERIAL AND SERVICE ORDERED BY CUSTOMER AND RECEIVED BY: [Signature]

(WELL OWNER, OPERATOR, CONTRACTOR OR AGENT)

CHECK IF CONTINUATION IS USED

15-065-22636-00-00

ORIGINAL

AUG 08 '91 15:03 ton, Texas 77210
SERVICES

CEMENTING LOG

P. 3
STAGE NO.

Date 7-9-91 District HAYS Ticket No. 627760
Company Dunes O.I Co. Rig MURFIN
Lease Cummings Well No. 1
County Graham State KW
Location 3N2E Markle Field _____

CASING DATA
Surface Intermediate Production Liner
Size 4 1/2 Type _____ Weight _____ Collar _____
PTA Squares Post collar

Casing Depth: Top _____ Bottom _____

Drill Pipe: Size _____ Weight _____ Collars _____
Open Hole: Size _____ TD _____ ft. P.B. to _____ ft

CAPACITY FACTORS
Casing: Bbls/Lin. ft. 0.862 Lin. ft./Bbl _____
Open Holes: Bbls/Lin. ft. _____ Lin. ft./Bbl _____
Drill Pipe: 2 3/8 Bbls/Lin. ft. 0.0387 Lin. ft./Bbl _____
Annulus: Bbls/Lin. ft. _____ Lin. ft./Bbl _____
Bbls/Lin. ft. _____ Lin. ft./Bbl _____
Perforations: From _____ ft to _____ ft. Amt _____

CEMENT DATA:
Spacer Type: _____
Amt. _____ Sks Yield _____ ft³/sk Density _____ P# _____

LEAD: Pump Time _____ hrs. Type _____
65/35 67-61 Excess _____
Amt. 425 Sks Yield 1.8 ft³/sk Density 13.1 P# _____

TAIL: Pump Time _____ hrs. Type _____
Common Cement "A" Excess _____
Amt. 50 Sks Yield 1.18 ft³/sk Density 14 P# _____
WATER: Load 8.7 gals/sk Tail 2 gals/sk Total _____ Bl _____

Pump Trucks Used: 2034 - Dean
Bulk Equip: 2030 - Cal
2039 - Cal

Post Equip Manufacturer _____
Shoe Type _____ Depth _____
Floor Type _____ Depth _____
Centralizers: Quantity _____ Plugs Top _____ Btm. _____
Stage Collars _____
Special Equip. _____
Disc Fluid Type water Amt. 72 Bbls. Weight 8.37 P# _____
Mud Type _____ Weight _____ P# _____

COMPANY REPRESENTATIVE Evel Evans

CEMENTER Bill R. J. [Signature]

TIME	PRESSURES PSI		FLUID PUMPED DATA			REMARKS
	DRILL PIPE CASING	ANNULUS	TOTAL FLUID	Pumped Per Time Period	RATE: Sks Min.	
<u>11:00</u>	<u>1500</u>	<u>1000</u>				<u>Port Collar at 2130'</u>
<u>11:10</u>	<u>500</u>	<u>500</u>				<u>Test Cpg at 1500 pSI</u>
	<u>1000</u>	<u>1000</u>				<u>500 Cement down 2" tubing w/ 425 sks 65/35 67-61 follow w/ 50 sks Com Core Cement did circulate to pump</u>
		<u>1000</u>				<u>Test Port Collar at 1000 pSI</u>
		<u>1000</u>				<u>Run 3 1/2" tubing, wash clear</u>
		<u>1000</u>				<u>Test Port Collar 1000 pSI</u>
		<u>1000</u>				<u>Come out at Hole</u>
		<u>1000</u>				<u>TOTAL Cement 425 sks 65/35 67-61 50 sks Com Core</u>

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