

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

Operator: License # 5252

Name: R.P. NIXON OPERATIONS, INC.

Address 207 WEST 12TH STREET

City/State/Zip HAYS, KS 67601

Purchaser: NCRA

Operator Contact Person: Dan Nixon

Phone (913) 628-3834

Contractor: Name: Shields Drlg.

License: 5655

Wellsite Geologist: Dan Nixon

Designate Type of Completion
 New Well Re-Entry Workover

Oil SWD SLOW 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 PBDT
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____

12-4-92 12-12-92 2-1-93
Spud Date Date Reached TD Completion Date

API NO. 15- 051-24,822-0000

County Ellis

S/2 - S/2 - SE Sec. 3 Twp. 13S Rge. 16 X W

330 Feet from (S) Line of Section

1320 Feet from (E) Line of Section

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

Lease Name Ottilia Well # 5

Field Name Emmeram

Producing Formation Lansing/Kansas City, Toronto

Elevation: Ground 1978 KB 1983

Total Depth 3465' PBDT 3376'

Amount of Surface Pipe Set and Cemented at 2120' Feet

Multiple Stage Cementing Collar Used? Yes No

If yes, show depth set _____ Feet

If Alternate II completion, cement circulated from 1113'

feet depth to surface w/ 350 sx cmt.

Drilling Fluid Management Plan DLT 2 3-28-93
(Data must be collected from the Reserve Pit)

Chloride content 87000 ppm Fluid volume _____ bbls

Dewatering method used let solids settle, draw off water,
allow remainder to evaporate
Location of fluid disposal if hauled offsite: _____

NOTE: due to inclement weather, pits have not been dewatered
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, 200 Colorado Derby Building, 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.

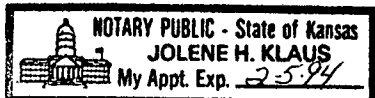
Signature [Handwritten Signature]

Title President Date 3-8-93

Subscribed and sworn to before me this 8th day of March, 19 93.

Notary Public Jolene H. Klaus

Date Commission Expires 2-5-94



K.C.C. OFFICE USE ONLY
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(specify)
RECEIVED
STATE CORPORATION COMMISSION

Form ACO-1 (7-92) **MAR 11 1993**

CONSERVATION DIVISION
Wichita, Kansas

SIDE TWO

Operator Name R.P. Nixon Oper. Inc Lease Name Otilia Well # 5

Sec. 3 Twp. 13 Rge. 16W East County Ellis

AMERICAN

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 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 E. Logs Run:

RAG open hole log
G/R correlation log

Log Formation (Top), Depth and Datums Sample

Name	Top	Datum
Anhydrite	1102'	+881
Anhydrite base	1140'	+843
Topeka	2937'	-954
Heebner	3151'	-1168
Toronto	3170'	-1187
L/Kc	3202'	-1219
Base KC	3442'	-1459
Arbuckle	3460'	-1477
RTD, LTD	3465'	-1482

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"		210'	60/40 poz	140	2% gel, 3% CaCl
Production	7 7/8"	4 1/2"		3460'	ACS (Allied)	125	ACS (Allied)

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input checked="" type="checkbox"/> Perforate <input checked="" type="checkbox"/> Protect Casing <input type="checkbox"/> Plug Back TD <input type="checkbox"/> Plug Off Zone	1 hole-1113'	60/40 poz	350	pozmix, 8% gel, 3% CaCl

Shots Per Foot	PERFORATION RECORD - Bridge Plugs Set/Type Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	
		Depth	
2	3362-64'	would not take acid (2000# MAX)	3376'
2	3274-76'	500 gal 15% demulsion	
2	3229-31'	500 gal 15% demulsion	
2	3170-72'	500 gal " (initial), 1000 gal 20% (re-treat)	

TUBING RECORD	Size 2 3/8"	Set At 3365'	Packer At	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No
----------------------	----------------	-----------------	-----------	--

Date of First, Resumed Production, SWD or Inj. _____ Producing Method Flowing Pumping Gas Lift Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls. not on pump yet	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
-----------------------------------	---------------------------	---------	-------------	---------------	---------

Disposition of Gas:

METHOD OF COMPLETION

Production Interval

Vented Sold Used on Lease (If vented, submit ACO-18.) Open Hole Perf. Dually Comp. Commingled _____
 Other (Specify) _____

2013 JUN 10 10:12 AM
2013 JUN 10 10:12 AM



P. O. Box 108
 GREAT BEND, KANSAS 67530
 (316) 792-1751

DRILLING MUD REPORT

REPORT NO. 1

DAVIS MUD & CHEMICAL, INC.

15:051-24822-00-00

DATE	12-9	19	92	DEPTH	3207
API WELL NO.	STATE	COUNTY	WELL	S/T	

OPERATOR	F. P. Nixon Operations		CONTRACTOR	Shields		RIG NO.	1
ADDRESS	Rig		ADDRESS	Rig		SPUD DATE	12/4/92
REPORT FOR MR.	Dan Nixon		REPORT FOR MR.	Burt Berry		SECTION, TOWNSHIP, RANGE	3-13S-16W
WELL NAME AND NO.	Ottilia #5		FIELD OR BLOCK NO.	S/2 S/2 SE		COUNTY AREA	Ellis
						STATE	Ks.

OPERATION	CASING	MUD VOLUME (BBL)		CIRCULATION DATA			
PRESENT ACTIVITY	SURFACE	HOLE	PITS	PUMP SIZE	X	IN.	ANNULAR VEL. (FT./MIN.)
BIT SIZE (IN.)	NO.	IN. AT	FT.	TOTAL CIRCULATING VOLUME	PUMP MAKE		OPPOSITE DP
DRILL PIPE SIZE	TYPE	IN. AT	FT.	IN STORAGE	WEIGHT	MODEL	OPPOSITE COLLAR
DRILL COLLAR SIZE	LENGTH	PRODUCTION OR LINER		BBL./STROKE	STROKE/MIN		CIRCULATING PRESSURE PSI
							BOTTOMS UP (MIN.)
							SYSTEM TOTAL (MIN.)

Sample from <input type="checkbox"/> Flowline <input type="checkbox"/> Pit	MUD PROPERTIES				EQUIPMENT			
Flowline Temperature	F				SIZE	HRS/TOUR	SIZE	HRS TOUR
Time Sample Taken					Centrifuge		Desilter	
Depth (ft.)					Deaasser		Shaker	
Weight <input type="checkbox"/> (ppg) <input type="checkbox"/> (lb./cu. ft.)					Desander		Other	
Mud Gradient (psi/ft.)					DAILY COST		CUMULATIVE COST	
Funnel Viscosity (sec./qt.) API at _____ °F					MUD PROPERTIES SPECIFICATIONS			
Plastic Viscosity cp at _____ °F					WEIGHT	VISCOSITY	FILTRATE	
Yield Point (lb./100 sq. ft.)					BY AUTHORITY: <input type="checkbox"/> OPERATOR'S WRITTEN <input type="checkbox"/> DRILLING CONTRACTOR			
Gel Strength (lb./100 sq. ft.) 10 sec./10 min.					<input type="checkbox"/> OPERATOR'S REPRESENTATIVE <input type="checkbox"/> OTHER			
pH <input type="checkbox"/> Strip <input type="checkbox"/> Meter					RECOMMENDED TREATMENT			
Filtrate API (ml./30 min.)								
API HP-HT Filtrate (ml./30 min.) _____ °F								
Cake Thickness 32nd in. API <input type="checkbox"/> HP — HT <input type="checkbox"/>								
Alkalinity, Mud (Pm)								
Alkalinity, Filtrate (P _f /M _f)								
Salt <input type="checkbox"/> ppm <input type="checkbox"/> gpg Chloride <input checked="" type="checkbox"/> ppm <input checked="" type="checkbox"/> gpg	8700	Reserve pit						
Calcium <input checked="" type="checkbox"/> ppm <input type="checkbox"/> Gyp (ppb)	2040	Reserve pit						
Sand Content (% by Vol.)								
Solids Content (% by Vol.)								
Oil Content (% by Vol.)								
Water Content (% by Vol.)								
LCM, #/bbl								

ORIGINAL

REMARKS:

RECEIVED
STATE CORPORATION COMMISSION
MAY 1 1 1993

Krank 1/04

ENGINEER	Gary T. Schmittberger	HOME ADDRESS	Harp	TELEPHONE	913 625-9373
		WAREHOUSE LOCATION	Harp	TELEPHONE	913 628-1514

CONTRACTOR

316-2627, Russell, Kansas
316-793-5861, Great Bend, Kansas

Phone Plainville 913-434-2812
Phone Ness City 913-798-3843

ALLIED CEMENTING CO., INC.

Home Office P. O. Box 31 Russell, Kansas 67665

4100 ORIGINAL

Date 1-28-93 Sec 3 Twp. 13 Range 16 Called Out 7:30 AM On Location 7:30 AM Job Start 7:30 AM Finish

Lease Othilia Well No. 5 Location Walker 5N 4W N.S. County Ellis State Ks

Contractor Jay Lan
Type Job Cir Cement
Hole Size 4 1/2" Depth 1021
Csg. 2 1/2" Depth
Tbg. Size 2 1/2" Depth
Drill Pipe Depth
Tool Jay Lan Depth 1021
Cement Left in Csg. Shoe Joint
Press Max. Minimum
Meas Line Displace

Owner To Allied Cementing Co., Inc.
You are hereby requested to rent cementing equipment and furnish cement and helper to assist owner or contractor to do work as listed.

Charge To Nixon Oil Operations
Street 207 W 12th
City Hays State Kan 67601

The above was done to satisfaction and supervision of owner agent or contractor.

Perf. (1113 - 3 shot) Hole @ 2160
- 90
EQUIPMENT

Purchase Order No.
 Paul D. W.
CEMENT

Hays No. <u>153</u>	Cement	<u>Dave</u>
Pumptrk No. <u>282</u>	Helper	<u>Mark</u>
Bulktrk No. <u>213</u>	Cement	<u>Wayne</u>
Bulktrk No. <u>213</u>	Helper	<u>Lawrence</u>
Bulktrk No. <u>213</u>	Driver	<u></u>
Bulktrk No. <u>213</u>	Driver	<u></u>

Amount Ordered 300^{bu} 8% gel 50 com 3% CC

Consisting of 115^{bu} 250^{bu} 8% + 50 com 3% CC

Common	<u>200</u>	<u>550</u>	<u>1100.00</u>
Poz. Mix	<u>100</u>	<u>250</u>	<u>250.00</u>
Gel.	<u>13</u>	<u>675</u>	<u>87.75</u>
Chloride	<u>2</u>	<u>21.00</u>	<u>42.00</u>
Quickset	<u></u>	<u></u>	<u></u>
2 Sand	<u></u>	<u></u>	<u>950</u>

DEPTH of Job

Reference	<u>pump tk chg</u>	<u>475.00</u>
	<u>2nd Permit</u>	<u>34.00</u>
	Sub Total	509.00
	Tax	<u></u>
	Total	<u></u>

Handling	<u>100</u>	<u>300.00</u>
Mileage <u>17m</u>	<u>1.04</u>	<u>204.00</u>
Sub Total	<u></u>	<u>1993.25</u>
Total	<u></u>	<u></u>

Remarks: tested plug @ 1000 psi
Injection Rate @ 1000 psi, mixed 2 1/2
Spud 20 sk @ 2190
Came up to 1021, mixed 2 1/2
staged & squeezed @ 200 psi

Floating Equipment (Cement Circulator)

found hole @ 2160 - 90
1000 psi, mixed 2 1/2
squeezed @ 1000 psi
Allowed by 55 com 3%
pulled tubing & shut in casing
@ 200 psi

GEOLOGICAL REPORT

Dan A. Nixon - Certified Petroleum Geologist No. 3179

15-051-24822-00-00

ORIGINAL

Well Name: #5 Ottilia

Location: S/2 S/2 SE
Section 3, T13S-R16W
Ellis County, Kansas

Operator: R.P. Nixon Operations, Inc.
207 West 12th Street
Hays, KS 67601

Contractor: Shields Drilling Co., Inc.
Box 709
Russell, KS 67665

Elevation: American Elevations
Rotary bushing: 1983'
Ground level: 1978'

Samples: Ten foot samples from 2900'
to 3170' and five foot samples
from 3170' to 3465' RTD.

Time Log: One foot intervals from 2900'
to 3465' RTD. A copy of the
time log is included in this report.

Surf. Casing: 8 5/8" @ 210' w/140 sx. - 60/40 Pozmix
Prod. Casing: 4 1/2" set @ 3460' w/125 sx ACS cement

Port Collar or DV Tool: To be perforated in Anhydrite and circulated

Spud date: 12/4/92

Comp. date: 12/12/92

API #: 15-151-24,822-0000

RECEIVED
STATE CORPORATION COMMISSION
MAR 11 1993
CONSERVATION DIVISION
Wichita, Kansas

<u>FORMATION TOPS:</u>	<u>SAMPLE DEPTH</u>	<u>LOG DEPTH</u>	<u>MINUS DATUM</u>
Anhydrite (driller's)	1103'	1103'	+881
Anhydrite base (driller's)	1141'	1140'	+843
Topeka	2934'	2937'	-954
Heebner Shale	3149'	3151'	-1168
Toronto	3173'	3170'	-1187
Lansing	3200'	3202'	-1219
Base of the Kansas City	3441'	3442'	-1459
Arbuckle Dolomite	3457'	3460'	-1477
Rotary Total Depth	3465'	3465'	-1482

SAMPLE ANALYSIS OF ZONES OF INTEREST: (corrected to the electric log)

Toronto 3170'-75' Fine crystalline, grey lime, rare spotty stain, tight to poor pinpoint porosity. Had slight show of free oil and odor in wet samples. Calculated 14% porosity and 55% water saturation on electric log. Test.

Lansing 3202'-14' Dense, fine crystalline, white lime, light spotty stain. Tight on log. Not worthy of testing.

 3229'-35' Fine crystalline, white lime, light spotty stain, poor pinpoint porosity. Had slight show of free oil and odor in wet samples. Open in the #2, #3, #4 Ottilia. Should be considered for testing.

 3274'-78' Buff, fossiliferous, cherty lime, rare spotty stain, tight. Very slight show of free oil and odor in wet samples. Open in the #2, #3 Ottilia. Should be considered for testing.

 3294'-3301' Oolitic, white, lime, good oolitic porosity, barren. Calculated 13% porosity, 25% water on log. Not worthy of testing.

 3361'-65' Fossiliferous, grey lime, poor fossil porosity, rare spotty stain. Had very slight show of free oil and odor in wet samples. Calculated 8% porosity, 47% water, on electric log. Open in the #2, #3, #4 Ottilia. Should be considered for testing.

ORIGINAL

RECEIVED
STATE CORPORATION COMMISSION
MAR 11 1993
CONSERVATION DIVISION
Wichita, Kansas

Arbuckle 3460'-65' Buff, fine crystalline, sucrosic dolomite, poor intercrystalline and vuggy porosity. Had spotty to saturated stain with show of free oil and odor in wet samples. Circulated samples off bottom indicated cherty and oolitic in part, fair oolitic porosity, spotty stain. Test.

REMARKS:

Structurally, the #5 Ottilia ran 3' high to the #1 Miller (Kansas Petroleum), just over ¼ mile to the north-northeast, 4' low to the #2 Ottilia (R.P. Nixon Oper. Inc.) 1½ locations to the east, 2' low to the #1 Harold (R.P. Nixon Oper. Inc.), approximately ¼ mile to the southeast, and 10' low to the #4 Ottilia (R.P. Nixon Oper. Inc.), 1½ locations to the west; all are Lansing producers.

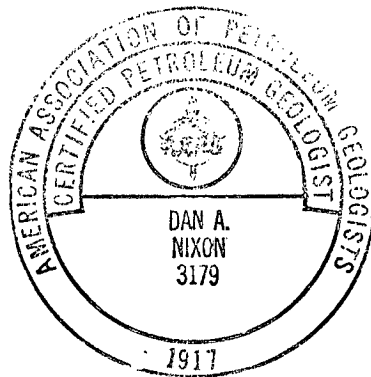
The Arbuckle top on the #5 Ottilia ran 7' high to the same #1 Miller, 5' low to the same #2 Ottilia, 6' low to the same #1 Harold, and 4' low to the same #4 Ottilia.

Based on its structural position and shows in the Toronto and Lansing/Kansas City, 4½" casing was cemented at 3460' w/125 sx of ACS cement for further testing.

Respectfully Submitted,



Dan A. Nixon, CPG #3179



ORIGINAL

RECEIVED
STATE CORPORATION COMMISSION
MAR 11 1993
CONSERVATION DIVISION
Wichita, Kansas

DRILLING TIME LOG

15.051.24822.00.00

2900'-2925'	2-3-3-3-2	3-3-3-3-3	3-2-2-3-3	2-3-3-3-3	3-4-2-2-2
2925'-2950'	2-1-1-1-1	2-1-1-2-3	3-4-2-3-3	4-3-4-4-4	3-3-3-4-4
2950'-2975'	4-3-2-3-3	3-3-3-3-3	3-4-4-5-4	4-2-4-3-2	3-3-3-3-3
2975'-3000'	4-3-4-3-3	3-4-3-3-3	4-4-4-3-4	4-4-4-5-4	3-3-2-2-2
3000'-3025'	2-2-3-2-3	2-3-2-4-3	5-4-3-4-4	4-3-5-5-4	5-2-2-3-3
3025'-3050'	4-4-4-4-5	4-5-4-3-3	4-3-5-4-5	4-4-3-4-7	6-6-7-8-6
3050'-3075'	5-5-6-5-5	6-6-6-5-5	6-8-7-7-8	7-8-7-7-5	5-4-4-8-8
3075'-3100'	7-8-8-7-7	5-8-7-4-4	4-4-5-5-6	5-5-6-4-6	5-5-4-5-5
3100'-3125'	6-6-6-4-5	6-4-5-5-4	3-3-4-4-4	4-4-2-2-3	3-3-4-3-3
3125'-3150'	2-3-3-3-4	4-4-4-5-4	4-4-4-4-5	4-4-5-4-4	3-4-4-5-4
3150'-3175'	4-2-2-4-6	7-4-4-4-4	4-5-4-4-3	4-3-4-4-3	3-4-4-5-5
3175'-3200'	6-4-5-5-5	6-6-5-5-4	4-5-6-3-2	3-2-2-2-1	2-2-2-1-3
3200'-3225'	6-5-4-5-4	5-4-5-5-4	6-5-5-5-6	6-5-6-6-4	4-4-4-4-4
3225'-3250'	5-4-3-3-4	4-6-4-6-6	6-6-6-6-5	6-4-5-4-4	5-5-5-5-5
3250'-3275'	5-5-5-5-5	6-5-4-5-5	6-5-5-4-5	5-7-5-3-3	3-5-4-5-5
3275'-3300'	5-5-6-6-5	4-5-4-5-5	7-6-5-6-5	6-5-5-2-1	2-2-1-4-4
3300'-3325'	6-5-5-6-4	6-6-5-6-6	7-6-5-6-6	6-6-6-7-6	6-7-6-6-7
3325'-3350'	6-6-5-6-5	6-5-6-3-5	4-6-6-7-7	6-7-6-6-6	7-6-7-6-7
3350'-3375'	6-6-7-8-5	7-6-7-5-5	6-6-7-7-7	6-6-5-6-6	7-6-6-6-6
3375'-3400'	5-5-5-5-5	5-5-6-6-6	6-6-6-7-6	6-6-6-6-6	5-6-6-6-5
3400'-3425'	6-6-6-5-6	6-6-7-6-5	5-6-6-6-6	5-6-5-7-7	7-7-6-6-7
3425'-3450'	8-6-7-8-7	6-7-6-7-7	8-7-6-6-6	7-6-5-6-7	7-6-8-5-5
3450'-3465'	7-6-5-3-3	3-3-5-7-7	5-4-2-3-4		

CFS: 3465' - 60" RTD: 3465'

ORIGINAL

RECEIVED
STATE CORPORATION COMMISSION
MAR 11 1993
CONSERVATION DIVISION
Wichita, Kansas