

SIDE ONE

ORIGINAL

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

API NO. 15-169-20,304-0000

County SALINE

NW SE NW Sec. 8 Twp. 15 Rge. 1 East West

3630 Ft. North from Southeast Corner of Section

3630 Ft. West from Southeast Corner of Section
(NOTE: Locate well in section plat below.)

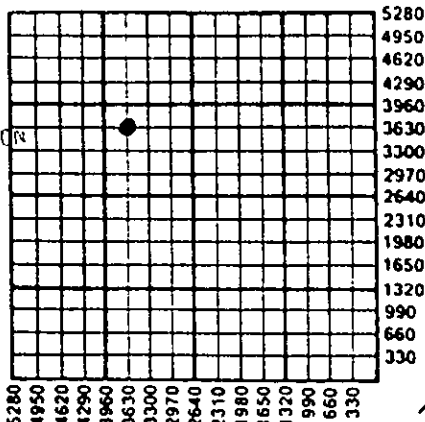
Lease Name SWANSON Well # 5

Field Name GILLMORE

Producing Formation MISSISSIPPIAN

Elevation: Ground 1249 KB 1254

Total Depth 2655 PBTD



Amount of Surface Pipe Set and Cemented at 211 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.

Operator: License # 5330

Name: Excalibur Production Co., Inc.

Address P.O. Box 278
McPherson, KS 67460

City/State/Zip _____

Purchaser: NCRA

Operator Contact Person: Charles D. Johnson

Phone (316) 241-1265

Contractor: Name: 3890

License: Tornado Drilling, Inc.

Wellsite Geologist: Donald J. Melland

Designate Type of Completion

New Well Re-Entry Workover

Oil SWD Temp. Abd.

Gas Inj Delayed Completion

Dry Other (Core, Water Supply, etc.)

If OWMO: old well info as follows:

Operator: _____

Well Name: _____

Comp. Date _____ Old Total Depth _____

Drilling Method:

Mud Rotary Air Rotary Cable

5/9/90 5/13/90 6/15/90

Spud Date Date Reached TD Completion Date

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/Operator Date 7/9/90

Subscribed and sworn to before me this 9th day of July, 19 90.

Notary Public Juanita M. Flood

Date Commission Expires _____



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)

SIDE TWO

Operator Name EXCALIBUR PRODUCTION CO., INC Case Name SWANSON Well # 5

Sec. 8 Twp. 15 Rge. 1 East West
 County Saline

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 (Attach Additional Sheets.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No 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 (Submit Copy.) <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<table border="1" style="width:100%; border-collapse: collapse;"> <tr> <th colspan="3" style="text-align: center;">Formation Description</th> </tr> <tr> <td></td> <td style="text-align: center;"><input type="checkbox"/> Log</td> <td style="text-align: center;"><input checked="" type="checkbox"/> Sample</td> </tr> <tr> <td style="text-align: center;">Name</td> <td style="text-align: center;">Top</td> <td style="text-align: center;">Bottom</td> </tr> <tr> <td>Lansing</td> <td style="text-align: center;">1992</td> <td></td> </tr> <tr> <td>Mississippian</td> <td style="text-align: center;">2647</td> <td></td> </tr> </table>	Formation Description				<input type="checkbox"/> Log	<input checked="" type="checkbox"/> Sample	Name	Top	Bottom	Lansing	1992		Mississippian	2647	
Formation Description																
	<input type="checkbox"/> Log	<input checked="" type="checkbox"/> Sample														
Name	Top	Bottom														
Lansing	1992															
Mississippian	2647															

CASING RECORD <input type="checkbox"/> New <input checked="" type="checkbox"/> 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	24	211	Common	100	
Production	7 1/8	5 1/2	15	2651	Pozmix	75	
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				Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			
Size	Set At	Packer At					
2 3/8	2640						
Date of First Production	Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)						
6/15/90							
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity		
	10	0	100		32°		

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

METHOD OF COMPLETION

Open Hole Perforation Dually Completed Conningled

Other (Specify) _____

Production Interval **2651-55**

ORIGINAL

DONALD J. MELLAND * PETROLEUM GEOLOGIST

401 Peoples Bank Building * Post Office Box 783 * McPherson, Kansas 67460
Office (316) 241-7907 * Residence (316) 241-4582

G E O L O G I C A L R E P O R T

Excalibur Production Co., Inc.
Swanson #5
NW SE NW, Sec. 8-15-1W
Field: Gilmore NE
Saline County, Kansas

May 15, 1990
Elevation: 1254 KB
Comm: 5/10/90, Comp: 5/15/90
Casing: 8 5/8" @ 209'/150sx
5 1/2" @ 2651'/50sx

Formation Tops

Lansing	1992 (-738)
Mississippian	2647 (-1393)
RTD	2655 (-1397)

STATE OF KANSAS
JUL 10 1990
GEOLOGICAL DIVISION
KANSAS

Cores: None

Drill Stem Tests: None

Electrical Logs: None

Gas Detector: None

Measurements: Were taken from kelly bushing, 5 feet above ground level.

Formation Summary

Wet samples were examined from 378 feet to 648 feet for shows of gas - no shows of gas were noted.

Mississippian

2651-2655 Dolomite; grayish buff, finely to medium crystalline, sucrosic, glauconitic, poor and fair pinhole and intercrystalline porosity with some fair to good vugular porosity, show of oil, some oil lacks life and appears dormant in matrix, fair odor. This zone should be tested.

Recommendations

It is recommended that casing be set at a depth of 2651 feet and the recommended zone tested.

Respectfully submitted,

Donald J. Melland

DJM/d

JUL 10 1990

CONSERVATION DIVISION
STATE OF KANSAS

ORIGINAL

TORNADO DRILLING, INC.
P.O. BOX 37
CANTON, KANSAS 67428
May 15, 1990

COMPANY: EXCALIBUR PRODUCTION CO., INC.
 CONTRACTOR: TORNADO DRILLING, INC.
 FARM: SWANSON #5
 LOCATION: 3630' FSL & 3630' FEL SECTION 8-15-1W
 SALINE COUNTY, KANSAS
 COMMENCED: MAY 9, 1990
 COMPLETED: MAY 13, 1990
 ELEVATION: 1249 GR. K.B. 1254

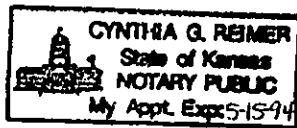
0	to	40	Soil and shale
40	to	165	Shale
165	to	500	Lime
500	to	525	Red Beds
525	to	775	Shale
775	to	1215	Lime & Shale
1215	to	1560	Shale
1560	to	1711	Shale & Lime Streaks
1711	to	1945	Shale & Lime
1945	to	1992	Sand
1992	to	2215	Lime
2215	to	2385	Lime
2385	to	2573	Lime & Shale
2573	to	2655	Lime & Shale
		2655	Rotary Total Depth

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 JUL 10 1990
 CONSERVATION DIVISION
 Wichita, Kansas

Drill 12½" hole to 226'. Run 8-5/8" surface casing and cement at 211' with 100 sacks 60/40 Pozmix, 3% CC, 2% gel and 50 sacks standard, 3% CC. Plug down at 4:30 A.M., May 10, 1990. Drill 7-7/8" hole to Rotary Total Depth of 2655'. Run 71 joints 5½" casing cemented at 2651' with 75 sacks 60/40 Pozmix, 2% gel, 10% salt, .5% CFR3 5# gilsonite. Plug down at 9:30 P.M., May 13, 1990.

CERTIFICATE

I, Terry P. Bandy, President of Tornado Drilling, Inc. do hereby certify that the above and foregoing is a true and correct copy of log on your Swanson #5 located on the 3630' FSL and 3630' FEL Section 8-15-1W, Saline County, Kansas as is reflected by the files of Tornado Drilling, Inc.



Terry P. Bandy
 Terry P. Bandy, President

Subscribed and sworn to before me a Notary Public in and for McPherson County, Kansas this 16th day of May, 1990.

Cynthia G. Reimer
 Cynthia G. Reimer-Notary Public

ORIGINAL

COMPANY Excaltator Prod Co. Inc. FARM Swanson WELL NO. 5
 SEC. 8 TWP. 15 RGE. 1W LOC. COUNTY Saline STATE Kansas
 CONTRACTOR Tornado Drllg Inc. SIZE HOLE 7 7/8 DRILL PIPE 4 1/2
 REMARKS: R₁₉#1 SIZE PUMP LINERS 6 LENGTH STROKE 14

DATE 5-13-90 AM.

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2600 1	7:34 37	3	Mixing Mud
2	39	2	PP 300#
3	41	2	24,000# o/bt.
4	44	3	
5	46	2	
6	49	3	
7	52	3	
8	55	3	
9	57	2	
2610	8:00	3	
11	03	3	
12	07	4	Circ
13	9:16 20	4	SR
14	23 1/2	3 1/2	
15	27	3 1/2	Vis 38. wt 9.5
16	30	3	1/2# LCM
17	33	3	
18	37	4	
19	40	3	
2620	42	2	
21	45	3	
22	48	3	
23	50	2	
24	52	2	
25	10:00 02	2	Conn Mix Mud
26	08	6	
27	12	4	
28	17	5	
29	22	5	
2630	27	5	
31	33	6	
32	39	6	
33	44	5	
34	49	5	
35	54	5	CFS
36	11:37 43	4	
37	48	5	
38	52	4	
39	57	5	
2640	12:03	6	
41	08	5	
42	12	4	
43	18	6	
44	22 1/2	4 1/2	
45	27	4 1/2	
46	32	5	
47	37	5	Miss
48	42 1/2	5 1/2	Vis R
49	48 1/2	6	
2650	54 1/2	6	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2650 51	54 1/2 59	4 1/2	5 1/2
52	1:01 1/2	2 1/2	
53	1:04 1/2	3	
54	1:07 1/2	3	
55	1:10 1/2	3	Circ TD
56			
57			Vis 54
58			wt 9.5
59			
2660			
61			
62			
63			
64			
65			

RECEIVED
STATE CORPORATION COMMISSION

JUN 26 1990

CONSERVATION DIVISION
Wichita, Kansas

ROTARY DRILLING TIME SHEET # 503
KANSAS BLUE PRINT CO., WICHITA, KAN.
Reorder No. 09-281

ORIGINAL

COMPANY Excaltor Prod Co. Inc. FARM Swanson WELL NO. 5
 SEC. 8 TWP. 15. RGE. 1W LOC. COUNTY Saline STATE Kansas
 CONTRACTOR Tornado Drllg Inc. SIZE HOLE 7 7/8 DRILL PIPE 4 1/2
 REMARKS: R₁₀#1 SIZE PUMP LINERS 6 LENGTH STROKE 14

DATE 5-13-90 AM.

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2600 1	7:34 37	3	Mixing Mud
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9	57	2	
2610	8:00	3	
11	03	3	
12	07	4	Circ ✓
13	9:16 20	4	SR
14	23 1/2	3 1/2	
15	27	3 1/2	Vis 38. wt 9.3
16	30	3	1/2" LCM
17	33	3	
18	37	4	
19	40	3	
2620	42	2	
21	45	3	
22	48	3	
23	50	2	
24	52	2	
25	10:00 02	2	Conn Mix Mud
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29	22	5	
2630	27	5	
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43	18	6	
44	22 1/2	4 1/2	
45	27	4 1/2	
46	32	5	
47	37	5	Miss
48	42 1/2	5 1/2	1 1/2 R
49	48 1/2	6	
2650	54 1/2	6	

DEPTH	TIME O'CLOCK	MIN.	REMARKS
2650 51	5:46 59	4 1/2	5 1/2
52	1:01 1/2	2 1/2	
53	1:04 1/2	3	
54	1:07 1/2	3	
55	1:10 1/2	3	Circ TD
56			
57			Vis 54
58			wt 9.5
59			
2660			
61			
62			RECEIVED
63			STATE COMMISSION
64			JUL 10 1990
65			
			CONSERVATION DIVISION
			Wichita, Kansas

ROTARY DRILLING TIME SHEET # 503 Reorder No. 09-281
 KANSAS BLUE PRINT CO., WICHITA, KAN.

ORIGINAL

P.O. BOX 951046
DALLAS, TX 75395-1046

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO.	DATE		
947517	05/10/1990		
WELL LEASE NO./PLANT NAME	WELL/PLANT LOCATION	STATE	WELL/PLANT OWNER
SWANSON 5	SALINE	KS	SAME
SERVICE LOCATION	CONTRACTOR	JOB PURPOSE	
GREAT BEND	TORNADO DRILLING	CEMENT SURFACE CASING	
ACCT. NO.	CUSTOMER AGENT	VENDOR NO.	CUSTOMER P.O. NUMBER
279200	NICK ROMAINE		
SHIPPED VIA			FILE NO.
COMPANY TRUCK			94933

EXCALIBUR PRODUCTION
BOX 278
MC PHERSON, KS 67460

DIRECT CORRESPONDENCE TO:
SUITE 600
COLORADO DERBY BUILDING
WICHITA, KS 67202-0000

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	PRICING AREA - MID CONTINENT MILEAGE	98	MI	2.20	215.60
001-016	CEMENTING CASING	1	UNT		
030-503	WOODEN PLUG	211	FT	395.00	395.00
504-308	STANDARD CEMENT	1	UNT		
504-308	STANDARD CEMENT	8 5/8	IN	59.00	59.00
506-105	POZMIX A	1	EA		
506-121	HALLIBURTON-GEL 2%	50	SK	5.35	267.50
509-406	ANHYDROUS CALCIUM CHLORIDE	60	SK	5.35	321.00
500-207	BULK SERVICE CHARGE	40	SK	2.79	111.60
500-306	MILEAGE CMTG MAT DEL OR RETURN	2	SK	.00	N/C
		4	SK	26.25	105.00
		158	CFT	.95	150.10
		675.81	TMI	.70	473.07
INVOICE SUBTOTAL					2,097.87
DISCOUNT-(BID)					419.57-
INVOICE BID AMOUNT					1,678.30
*-KANSAS STATE SALES TAX					48.55
*-BARTON COUNTY SALES TAX					11.42
INVOICE TOTAL - PLEASE PAY THIS AMOUNT =====>					\$1,738.27

STATE OF KANSAS CONSERVATION DIVISION

Wichita, Kansas

JUL 10 1990

*Ord 5/17/40
Clk# 18483*

*2157.84
419.57*

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED. CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT. CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT

ORIGINAL



P.O. BOX 951046
DALLAS, TX 75395-1046

HALLIBURTON SERVICES

A Halliburton Company

INVOICE NO. DATE

947519 05/13/1990

INVOICE

562.500.000

WELL LEASE NO./PLANT NAME WELL/PLANT LOCATION STATE WELL/PLANT OWNER

SWANSON 5 SALINE KS SAME

SERVICE LOCATION CONTRACTOR JOB PURPOSE TICKET DATE

GREAT BEND TORNADO DRILLING CEMENT PRODUCTION CASING 05/13/1990

ACCT. NO. CUSTOMER AGENT VENDOR NO. CUSTOMER P.O. NUMBER SHIPPED VIA FILE NO.

279200 BRIAN R. GALLE COMPANY TRUCK 95033

DIRECT CORRESPONDENCE TO:

EXCALIBUR PRODUCTION
BOX 278
MC PHERSON, KS 67460

SUITE 600
COLORADO DERBY BUILDING
WICHITA, KS 67202-0000

PRICE REF. NO. DESCRIPTION QUANTITY U/M UNIT PRICE AMOUNT

PRICE REF. NO.	DESCRIPTION	QUANTITY	U/M	UNIT PRICE	AMOUNT
000-117	PRICING AREA - MID CONTINENT MILEAGE	98	MI	2.20	215.60
		1	UNT		
001-016	CEMENTING CASING	2651	FT	923.00	923.00
		1	UNT		
030-018	CEMENTING PLUG 5W, PLASTIC TOP	5 1/2	IN	53.00	53.00 *
		1	EA		
12A	GUIDE SHOE - 5 1/2" 8RD THD.	1	EA	104.00	104.00 *
825.205					
24A	INSERT FLOAT VALVE - 5 1/2" 8RD	1	EA	83.00	83.00 *
815.19251					
27	FILL-UP UNIT 5 1/2"-6 5/8"	1	EA	30.00	30.00 *
815.19311					
40	CENTRALIZER 5-1/2" MODEL S-4	2	EA	44.00	88.00 *
807.93022					
504-308	STANDARD CEMENT	45	SK	5.35	240.75 *
506-105	POZMIX A	30	SK	2.79	83.70 *
506-121	HALLIBURTON-GEL 2%	1	SK	.00	N/C *
509-968	SALT BLENDED	400	LB	.052	20.80
509-968	SALT NOT MIXED	400	LB	.052	20.80
507-153	CFR-3	32	LB	3.90	124.80 *
508-291	GILSONITE	400	LB	.35	140.00 *
500-207	BULK SERVICE CHARGE	94	CFT	.95	89.30 *
500-306	MILEAGE CMTG MAT DEL OR RETURN	383.74	TMI	.70	268.62 *

JUL 10 1990

CONSERVATION DIVISION
Wichita, Kansas

INVOICE SUBTOTAL

2,485.37

DISCOUNT-(BID)

372.79-

INVOICE BID AMOUNT

2,112.58

*-KANSAS STATE SALES TAX

47.15

*-BARTON COUNTY SALES TAX

11.10

INVOICE TOTAL - PLEASE PAY THIS AMOUNT ==> \$2,170.83

305/17/90
ck# 18483

TERMS INVOICES PAYABLE NET BY THE 20TH OF THE FOLLOWING MONTH AFTER DATE OF INVOICE UPON CUSTOMER'S DEFAULT IN PAYMENT OF CUSTOMER'S ACCOUNT BY THE LAST DAY OF THE MONTH FOLLOWING THE MONTH IN WHICH THE INVOICE IS DATED. CUSTOMER AGREES TO PAY INTEREST THEREON AFTER DEFAULT AT THE HIGHEST LAWFUL CONTRACT RATE APPLICABLE BUT NEVER TO EXCEED 18% PER ANNUM IN THE EVENT IT BECOMES NECESSARY TO EMPLOY AN ATTORNEY TO ENFORCE COLLECTION OF SAID ACCOUNT CUSTOMER AGREES TO PAY ALL COLLECTION COSTS AND ATTORNEY FEES IN THE AMOUNT OF 20% OF THE AMOUNT OF THE UNPAID ACCOUNT

2543.62
- 372.79