

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

Operator: License # 30658
Name: ANR PRODUCTION COMPANY
Address 211 N. Robinson, Suite 1700
One Leadership Square
City/State/Zip Oklahoma City, OK 73102

Purchaser: _____
Operator Contact Person: John D. Perry

Phone (405) 239-7031

Contractor: Name: Murfin Drlg. Co.
License: _____

Wellsite Geologist: Richard Orsak

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD SLOW Temp. Abd.
 Gas ENHR SIGW
 Dry Other (Core, MSW, Expl., Cathodic, etc)

If Workover/Re-Entry: old well info as follows:
Operator: _____
Well Name: _____
Comp. Date _____ Old Total Depth _____
 Deepening Re-perf. Conv. to Inj/SWD
 Plug Back PBTB
 Commingled Docket No. _____
 Dual Completion Docket No. _____
 Other (SWD or Inj?) Docket No. _____
7-3-92 7-12-92 7-12-92
Spud Date Date Reached TD Completion Date

API NO. 15- 071-20,566-00 ORIGINAL
County Greeley
NE - SE - SW - Sec. 8 Twp. 17S Rge. 42 W
700 Feet from S/N (circle one) Line of Section
2310 Feet from E/W (circle one) Line of Section
Footages Calculated from Nearest Outside Section Corner:
NE, SE, NW or SW (circle one)
Lease Name Steele Well # 1-8
Field Name Wildcat
Producing Formation Dry
Elevation: Ground 3856 KB 3865
Total Depth 5300 PBTB _____
Amount of Surface Pipe Set and Cemented at 312 Feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set _____ Feet
If Alternate II completion, cement circulated from D & A
feet depth to _____ w/ _____ sx cat.
Drilling Fluid Management Plan DLA
(Data must be collected from the Reserve Pit)
Chloride content 43000 ppm Fluid volume 1700 bbls
Dewatering method used Air Dry
Location of fluid disposal if hauled offsite: _____
Operator Name ANR PRODUCTION COMPANY
Lease Name Steele #1-8 License No. 30658
NE/SE/SW Quarter Sec. 8 Twp. 17 S Rng. 42 W
County Greeley 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 _____
Title Dist. Oper. Supt Date 7-23-92
Subscribed and sworn to before me this 24 day of July
19 92
Notary Public Linda Black
Date Commission Expires Nov 28, 1994

RECEIVED
KANSAS CORPORATION COMMISSION
07-29-1992
CONSERVATION DIVISION
K.C.C. OFFICE WICHITA, KS
F Letter of Confidentiality Attached
C Wireline Log Received
C Geologist Report Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other
(Specify)

SIDE TWO

Operator Name ANR PRODUCTION COMPANY Lease Name Steele Well # 1-8

Sec. 8 Twp. 17S Rge. 42 East West
 County Greeley

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 checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datum	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Marathon	4566	
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Cherokee	4715	
List All E.Logs Run:		Atoka	4815	
		Morrow	5033	
		L. Morrow	5134	
DIL-SFL-GR	Sonic			
LDT-CNL-GR	MLT			

CASING RECORD <input type="checkbox"/> New <input 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	312	Class "C"	250	CaCl 2%

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<input type="checkbox"/> Perforate				
<input type="checkbox"/> Protect Casing				
<input type="checkbox"/> Plug Back TD				
<input type="checkbox"/> Plug Off Zone				

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
	NA	NA	

TUBING RECORD	Size	Set At	Packer At	Liner Run	<input type="checkbox"/> Yes <input type="checkbox"/> No
	NA				
Date of First, Resumed Production, SWD or Inj.	Producing Method	<input type="checkbox"/> Flowing	<input type="checkbox"/> Pumping	<input type="checkbox"/> Gas Lift	<input type="checkbox"/> Other (Explain)
	NA				
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Oil Ratio	Gravity
NA					

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

METHOD OF COMPLETION: Open Hole Perf. Dually Comp. Commingled Other (Specify) Dry

CONSERVATION DIVISION

Production Interval _____

15-071-20566-00-00
ORIGINAL

DRILLSTEM TEST REPORT

Prospect Name: Wildcat

RELEASED

Date: 07/11/92

Well Name: Steele #1-8

AUG 02 1993

DST No.1 Test Interval: 3860-3934 FROM CONFIDENTIAL

Formation Tested: Topeka

Initial Flow: 30 Min - tool opened 2 oz/5 min, inc to 3 1/2 oz/10 min, 5 oz/15 min, 5 oz/30 min.

Initial Shut-in: 60 Min.

Final Flow: 60 Min. Tool opened w/1 1/2 oz blow, inc to 3 1/2 oz/10 min, steadily inc to 6 1/2 oz/40 min, then dec to 4 1/2 oz/60 min.

Final Shut-in: 120 Min.

Recovery:

<u>186</u> Ft & <u>2.6</u> Bbls	<u>Drilling mud.</u>
<u>825</u> Ft & <u>6.9</u> Bbls	<u>Salt wtr.</u>
<u> </u> Ft & <u> </u> Bbls	<u> </u>
<u> </u> Ft & <u> </u> Bbls	<u> </u>

Flowing DST Data No gas to surface.

Chlorides: Recoveries 32,500 ppm Rw .28 @ 80 °F
pH 7.0 ppm

Sample Chamber: 2,300 cc volume Pressure 452 psi
Recovery: 2300 cc salt wtr, no oil, no gas. Chlorides 19,500 PPM, RW = 20 @ 88 °F.

Depth of Bomb	Pressures		
	Top	Middle	DMR
Initial Flow	<u>3844</u>	<u>3866</u>	<u>3866</u>
Initial Shut-in	<u>71</u> to <u>287</u>	<u>72</u> to <u>289</u>	<u>70</u> to <u>297</u>
Final Flow	<u> </u> to <u>929</u>	<u> </u> to <u>932</u>	<u> </u> to <u>935</u>
Final Shut-in	<u>296</u> to <u>441</u>	<u>301</u> to <u>447</u>	<u>308</u> to <u>463</u>
Initial Hydrostatic	<u> </u> to <u>929</u>	<u> </u> to <u>932</u>	<u> </u> to <u>936</u>
Final Hydrostatic	<u>1823</u> to <u> </u>	<u>1842</u> to <u> </u>	<u>1848</u> to <u> </u>
	<u>1813</u> to <u> </u>	<u>1831</u> to <u> </u>	<u>1837</u> to <u> </u>

Temperature 115 °F Surface Choke 1/4 Bottom Choke 3/4

REMARKS: Mud pit chloride 3500

RECEIVED

KANSAS CORPORATION COMMISSION

JUL 29 1992

CONSERVATION DIVISION
WICHITA, KS

CEMENTING SERVICE REPORT

15-011-20566-00-00



TRINA FILE

TREATMENT NUMBER 0315-4502 DATE 7/3/92
 STAGE DS DISTRICT Ulysses KS

DS-496 PRINTED IN U.S.A.

DOWELL SCHLUMBERGER INCORPORATED

WELL NAME AND NO. Steele # 1-18 LOCATION (LEGAL) Sec 8-175-42w
 FIELD POOL Stalkhome FORMATION Surf
 COUNTY/PARISH Greeley STATE Colorado API NO.
 NAME A.W.R. Production Co.
 AND
 ADDRESS
 ZIP CODE

RIG NAME: Muffin # 24
 WELL DATA: BIT SIZE 1 1/4 CSG/Liner Size 8 5/8
 TOTAL DEPTH 311 WEIGHT 24
 MUD TYPE GRADE FOOTAGE 315
 MUD DENSITY LESS FOOTAGE SHOE JOINT(S) 44
 MUD VISC. Disp. Capacity 267 17.0

SPECIAL INSTRUCTIONS
 Provide materials + services to safely cement 8 5/8 surface casing

NOTE: Include Footage From Ground Level To Head In Disp. Capacity
 Float TYPE auto fill flap Inst. DEPTH 267
 SHOE TYPE Cmt nose DEPTH 315
 Head & Plugs TBG D.P. SQUEEZE JOB
 Double SIZE WEIGHT GRADE THREAD TUBING VOLUME Bbls
 Single WEIGHT GRADE THREAD TUBING VOLUME Bbls
 Swage GRADE THREAD TUBING VOLUME Bbls
 Knockoff THREAD TUBING VOLUME Bbls
 TOP OR OW NEW USED CASING VOL. BELOW TOOL Bbls
 BOT OR OW DEPTH TOTAL Bbls
 ANNUAL VOLUME Bbls

IS CASING/TUBING SECURED? YES NO
 LIFT PRESSURE 130 PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)
 PRESSURE LIMIT 100 PSI BUMP PLUG TO 1200 PSI
 ROTATE RPM RECIPROCAT FT No. of Centralizers 4

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	INJECT RATE	FLUID TYPE	FLUID DENSITY	TIME	DATE	TIME	DATE
0001 to 2400								1800	7/3/92	2230	7/3/92
20:58	NA	130	58	-	5d	Cmt	17.8				
21:09		0	0	-	0						
21:11		50	17	-	4.5						
21:17	NA	100	12	-	0						
21:38		1200	17	17	1.2						
21:38		0									
21:39											

SERVICE LOG DETAIL
 PRE-JOB SAFETY MEETING psi Test done
 1/20 lead
 Start cmt slurry
 shot down, Drop plug
 Displace
 Jaws pumps etc.
 Bump plug
 Release psi
 Job Done

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 KANSAS CORPORATION COMMISSION
 JUL 29 1992
 FROM CONFIDENTIAL CONSERVATION DIVISION
 WICHITA, KS

REMARKS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	250	1.32	C + 2% CI + 1/2" / sk 029				58.7	17.8
2.								
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE
 HESITATION SO. RUNNING SO. CIRCULATION LOST
 BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. 17 Bbls
 Washed Thru Perls YES NO TO FT. MEASURED DISPLACEMENT WIRELINE
 PERFORATIONS TO CUSTOMER REPRESENTATIVE DS SUPERVISOR

DS-496 PRINTED IN U.S.A.

WELL NAME AND NO. **Steele # 1-10** LOCATION (LEGAL) **SEC 8-17s-42w** RIG NAME: **Mudren # 24**

FIELD: **POOL** FORMATION **F+A** WELL DATA: **7 7/8** BOTTOM TOP

COUNTY/PARISH **Greely** STATE **Kansas** API. NO. **Colorado**

NAME **ANR. Production Co.**

AND **RELEASE**

ADDRESS _____

ZIP CODE **AUG 0 2 1992**

SPECIAL INSTRUCTIONS **Provide Materials + Services FROM CONFIDENTIAL TO FTA well**

IS CASING/TUBING SECURED? YES NO

LIFT PRESSURE _____ PSI CASING WEIGHT + SURFACE AREA (3.14 x R²)

PRESSURE LIMIT **500** PSI BUMP PLUG TO _____ PSI

ROTATE _____ RPM RECIPROCATE _____ FT No. of Centralizers _____

NOTE: Include Footage From Ground Level To Head In Disp. Capacity

Head & Plugs TBG D.P. SQUEEZE JOB

Double SIZE WEIGHT **14.6** TOOL TYPE

Single GRADE TAIL PIPE: SIZE DEPTH

Swage THREAD **x 11/2** TUBING VOLUME _____ Bbls

Knockoff NEW USED CASING VOL. BELOW TOOL _____ Bbls

TOP OR DEPTH **270** TOTAL _____ Bbls

BOT OR ANNUAL VOLUME _____ Bbls

TIME	PRESSURE		VOLUME PUMPED BBL		JOB SCHEDULED FOR			ARRIVE ON LOCATION		LEFT LOCATION	
	TBG OR D.P.	CASING	INCREMENT	CUM	TIME	DATE	TIME	DATE	TIME	DATE	
0001 to 2400											
10:14	180	NA	15	-	5	1/20	8.33	PRE-JOB SAFETY MEETING	H ₂ O ahead		
10:19	210		15	-	5	cm	13.6	Plug #1	cm slurry	50 SKS	
10:22	50		34.8	-	5	md	160	270'	Displace		
11:17	120		15	-	5	1/20	8.33		H ₂ O ahead		
11:20	140		15	-	5	cm	13.6	Plug #2	cm slurry	50 SKS	
11:23	60	NA	105	-	5	md	140	140'	Displace		
12:01	70		13	-	5	1/20	8.33		H ₂ O ahead		
12:04	100		15	-	5	cm	13.6	Plug #3	cm slurry	50 SKS	
12:07	50	NA	1.5	-	5	1/20	8.33	330'	Displace		
13:50	50		3	-	2	cm	13.4	40'-0	10 SKS		
14:00	50	NA	3	-	2	cm	13.6	make hole	10 SKS		
14:10	50		4.5	-	2	cm	13.6	KAT hole	15 SKS		

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KANSAS CORPORATION COMMISSION
JUL 29 1992

REMARKS _____ CONSERVATION DIVISION WICHITA, KS

SYSTEM CODE	NO. OF SACKS	YIELD CU. FT/SK	COMPOSITION OF CEMENTING SYSTEMS				SLURRY MIXED	
							BBLs	DENSITY
1.	185	1.69	40/60	7/6	+ 6%	020	53.6	13.6
2.								
3.								
4.								
5.								
6.								

BREAKDOWN FLUID TYPE _____ VOLUME _____ DENSITY _____ PRESSURE MAX. **210** MIN: **0**

HESITATION SQ. RUNNING SQ. CIRCULATION LOST YES NO Cement Circulated To Surf. YES NO Bbls.

BREAKDOWN PSI FINAL PSI DISPLACEMENT VOL. Bbls TYPE OF WELL OIL STORAGE BRINE WATER GAS INJECTION WILDCAT **FA1**

Washed Thru Perfs YES NO TO _____ FT. MEASURED DISPLACEMENT WIRELINE

PERFORATIONS _____ CUSTOMER REPRESENTATIVE **Charles Fenell** DS SUPERVISOR **Greg Black**

DOWELL SCHLUMBERGER INCORPORATED

P.O. BOX 4378 HOUSTON, TEXAS 77210

SPECIAL HANDLING

F.F.F

15-071-205106-00-00

OILFIELD SERVICES
INDUSTRIAL SERVICES

DSI SERVICE ORDER
RECEIPT AND INVOICE NO.

4582

CUSTOMER NUMBER

CUSTOMER P.O. NUMBER

RELEASED

DSI SERVICE LOCATION NAME AND NUMBER

Wusses KS 0312

TYPE SERVICE CODE

095

BUSINESS CODES

CUSTOMER'S
NAME

ANR Production Co. AUG 0 2 1993

ADDRESS

FROM CONFIDENTIAL

CITY, STATE AND
ZIP CODE

DSI will furnish and Customer shall purchase materials and services required in the performance of the following SERVICE INSTRUCTIONS or DSI INDUSTRIAL SERVICE CONTRACT NO. _____ in accordance with the terms and conditions as printed on the reverse side of this form.

Cmt to Plug + Abandon well w/:

WORKOVER
NEW WELL
OTHER

W
N

API OR IC NUMBER

IMPORTANT
SEE OTHER SIDE FOR TERMS & CONDITIONS

ARRIVE LOCATION	MO.	DAY	YR.	TIME
	7	12	92	0800

SERVICE ORDER RECEIPT

I certify that the materials and services listed were authorized and received and all services performed in a workmanlike manner and that I have the authority to accept and execute this document.

JOB COMPLETION	MO.	DAY	YR.	TIME
	7	12	92	1415

SIGNATURE OF CUSTOMER OR AUTHORIZED REPRESENTATIVE

[Signature]

STATE	CODE	COUNTY / PARISH	CODE	CITY
Kansas		Greely		Tribune

WELL NAME AND NUMBER / JOB SITE

Steele # 1-18

LOCATION AND POOL / PLANT ADDRESS

Sec 8-175-42w

SHIPPED VIA

DS

ITEM/PRICE REF. NO.	MATERIAL, EQUIPMENT AND SERVICES USED	UNIT	QUANTITY	UNIT PRICE	\$ AMOUNT
102871-030	Pump Trk Chg	EA	1	1165.00	1165.00
49102-00	Pellvay Chg	8.4 Tm	726	.84	635.04
49100-00	Service Chg	F3	201	1.15	231.15
59697-000	TRK	EA	1	135.00	135.00
59200-002	Milage	Mi	90	2.65	238.50
4003-00	CLASS C Cmt	F3	111	7.75	860.25
45008-00	d.kpoz III	F3	74	3.83	283.82
45014-050	D20 Gell	lbs	955	.16	152.80

RECEIVED
KANSAS CORPORATION COMMISSION

JUL 29 1992

CONSERVATION DIVISION
WICHITA, KS

SUB TOTAL

field Est. 3701.16

LICENSE/REIMBURSEMENT FEE

LICENSE/REIMBURSEMENT FEE

REMARKS:

Thank you for using Dowell Schlumberger

STATE	% TAX ON \$
COUNTY	% TAX ON \$
CITY	% TAX ON \$

SIGNATURE OF DSI REPRESENTATIVE

[Signature]

TOTAL \$