FORM MUST BE TYPED

SIDE ONE

COPY

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

API NO. 15- 133-25642-0000

County Neosho

SE - SE - - Sec. 31 Twp. 27 Rge. 19 X E W

330 Feet from (S) N (circle one) Line of Section

330 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 Hand Well # 31-1

Field Name Chanute-Humbolt

Producing Formation Summit- Mulky

Elevation: Ground 922 KB

Total Depth 623 PBTD

Amount of Surface Pipe Set and Cemented at 20 Feet

Multiple Stage Cementing Collar Used? ____ Yes X No

If yes, show depth set ____ Feet

If Alternate II completion, cement circulated from 623

feet depth to surface w/ 80 sx cmt.

Drilling Fluid Management Plan ALT 2 8/8/01
(Data must be collected from the Reserve Pit)

N/A air rig

Chloride content ____ ppm Fluid volume ____ bbls

Dewatering method used ____

Location of fluid disposal if hauled offsite:

Operator Name ____

Lease Name ____ License No. ____

____ Quarter Sec. ____ Twp. ____ S Rng. ____ E/W

County ____ Docket No. ____

Operator: License # 5817

Name: Benson Mineral Group

Address Box 707

City/State/Zip Howard, KS 67349

Purchaser: N/A

Operator Contact Person: E. Wayne Willhite

Phone (620) 374-2133

Contractor: Name: McPherson Drilling

License: 5675

Wellsite Geologist: Wm Stout

Designate Type of Completion
____ New Well ____ Re-Entry ____ Workover

____ Oil ____ SWD ____ SIOW ____ Temp. Abd.
X 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 ____ PBTD
____ Commingled Docket No. ____
____ Dual Completion Docket No. ____
____ Other (SWD or Inj?) Docket No. ____

11-2-00 Spud Date | 11-3-00 Date Reached TD | 1-25-01 Completion Date

CONSERVATION DIVISION
Wichita, Kansas

RECEIVED
STATE CORPORATION COMMISSION
FEB 27 2001

INSTRUCTIONS: An original and two copies of this form shall be filed with the Kansas Corporation Commission, 130 S. Market - Room 2078, 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 Agent Date 2-23-2001

Subscribed and ~~sworn~~ affirmed to before me this 23 day of February, 19 2001

Notary Public E. Wayne Willhite

Date Commission Expires August 21, 2001

E. WAYNE WILLHITE
NOTARY PUBLIC
STATE OF KANSAS
MY APPT. EXPIRES: 8/21/01

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) IOG

Form ACO-1 (7-91)

SIDE TWO

Operator Name Benson Mineral Group Lease Name Hand Well # 31-1

Sec. 31 Twp. 27 Rge. 19 ☒ East ☐ West County Neosho

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 spnce is needed. Attach copy of log.

Drill Stem Tests Taken (Attach Additional Sheets.) ☐ Yes ☒ No

Samples Sent to Geological Survey ☐ Yes ☒ No

Cores Taken ☐ Yes ☒ No

Electric Log Run (Submit Copy.) ☒ Yes ☐ No

List All E.Logs Run:
GammaRay-Neutron
Cement Bond

☒ Log Formation (Top), Depth and Datums ☐ Sample

Name	Top	Datum
see attached sheet		

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
Production	6 3/4"	4½"	10½#	623	Thick Set	80	flocele 20#
surface	11"	8 5/8"	32#	20	reg	4	

ADDITIONAL CEMENTING/SQUEEZE RECORD

Purpose:	Depth Top	Depth Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
___ Perforate ___ Protect Casing ___ Plug Back TD ___ 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
4	504-512 Summit 37 holes	800 gal 7½% Mud acid	504-512 521-528
4	521-528 Mulky 29 holes	sand frac 90 sacks	504-512 521-528

TUBING RECORD	Size	Set At	Packer At	Liner Run
	2 3/8"	559		☐ Yes ☒ No

Date of First, Resumed Production, SWD or Inj.	Producing Method
1-25-01	☐ Flowing ☒ Pumping ☐ Gas Lift ☐ Other (Explain)

Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
		0	50		

Disposition of Gas: METHOD OF COMPLETION

☐ Vented ☐ Sold ☐ Used on Lease (If vented, submit ACO-18.)

☐ Open Hole ☒ Perf. ☐ Dually Comp. ☒ Commingled

☐ Other (Specify)

Production Interval 504'-512', 521'-528'

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STATE OF KANSAS