

3-5-13E

SIDE ONE

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

Operator: License # 4922
Name Incline Reserves, Inc.
Address 1607 SW 37th St.
City/State/Zip Topeka, KS 66611

Purchaser N/A

Operator Contact Person Greg Owen
Phone 913-267-5033

Contractor: License # 5825
Name Glacier Drilling Co.

Wellsite Geologist Greg Owen
Phone 913-267-5033

Designate Type of Completion
 New Well Re-Entry Workover
 Oil SWD Temp Abd
 Gas Inj Delayed Comp.
 Dry Other (Core, Water Supply etc.)

If OWWO: old well info as follows:
Operator
Well Name
Comp. Date
Old Total Depth

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
10/17/88 10/28/88 10/29/88
Spud Date Date Reached TD Completion Date
3704'
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 327 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set...feet
If alternate 2 completion, cement circulated from...feet depth to...w/...SX cmt
Cement Company Name
Invoice #

API NO. 15-131-20,145
County Nemaha
S/2 NE NE Sec. 3 5 S Rge. 13 X East
4290 Ft North from Southeast Corner of Section
660 Ft West from Southeast Corner of Section
(Note: Locate well in section plat below)

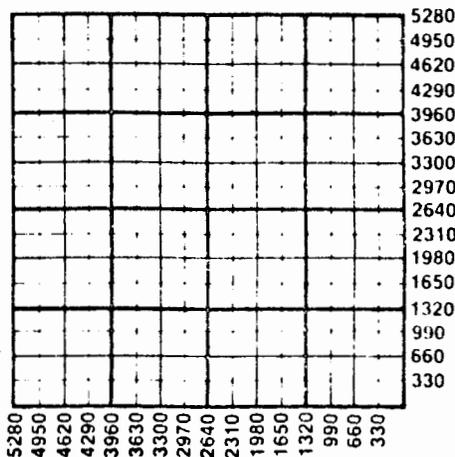
Lease Name Macke Well # 1

Field Name N/A

Producing Formation N/A

Elevation: Ground 1333 KB 1339

Section Plat



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NOV 14 1988
CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal
Docket # Repressuring

Questions on this portion of the ACO-1 call:
Water Resources Board (913) 296-3717

Source of Water:
Division of Water Resources Permit #

Groundwater...Ft North from Southeast Corner
(Well) ...Ft West from Southeast Corner of
Sec Twp Rge East West

X Surface Water 3500 Ft North from Southeast Corner
(Stream, pond etc) 3500 Ft West from Southeast Corner
Sec 3 Twp 5S Rge 13 X East West

Other (explain) (purchased from city, R.W.D. #)

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. 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 [Signature] Title Vice-President Date 11/9/88

Subscribed and sworn to before me this 9th day of November 1988
Notary Public Robin A. Hook
Date Commission Expires July 1, 1989



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)

Sec. 5, Twp. 5, Rge. 13E

Operator Name Incline Reserves, Inc. Lease Name Macke Well # 1

Sec. 3 Twp. 5 S Rge. 13 East West County Nemaha

WELL LOG

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
 Samples Sent to Geological Survey Yes No
 Cores Taken Yes No

Formation Description
 Log Sample

DST #1, Viola, 3634-3656': Tool opened w/strong blow, held steady throughout IFP. Rec. 1420' water w/slight show of oil in top. (Chl. not measured).

BHT 119°F
 IFP (90 min) 98-642#
 ISIP (60 min) 1115#
 FFP/FSIP (not taken)
 IHP/FHP 1807-1792#

Name	Top	Bottom
Tarko Lime	596	
Oread Lime	1184	
Lansing Group	1402	
Base K.C. Group		1732
Miss. Unconf.	2669	
Kinderhook	2730	
Hunton	2975	
Maquoketa	3596	
Viola	3654	
T.D.		3704

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NOV 14 1938

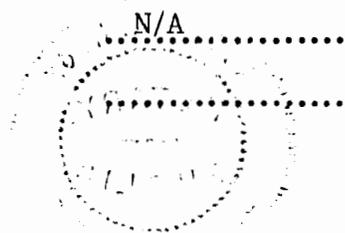
CONSERVATION DIVISION
 Wichita, Kansas

CASING RECORD <input checked="" 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"	20#	327	Reg.	180	3% CaCl
PERFORATION RECORD				Acid, Fracture, Shot, Cement Squeeze Record			
Shots Per Foot	Specify Footage of Each Interval Perforated			(Amount and Kind of Material Used)		Depth	
	N/A						
TUBING RECORD				Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No			
Date of First Production		Size		Set At		Packer at	
N/A		N/A		N/A		N/A	
Producing Method <input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....							
N/A							
Estimated Production Per 24 Hours		Oil	Gas	Water	Gas-Oil Ratio	Gravity	
N/A		N/A Bbls	N/A MCF	N/A Bbls	CFPB	N/A	

METHOD OF COMPLETION

Production Interval

Disposition of gas: Vented Open Hole Perforation
 Sold Other (Specify)
 Used on Lease Dually Completed Commingled



3-5 N 13E

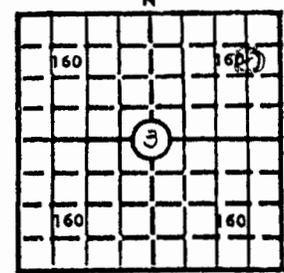
DRILLERS LOG

API No. 15 - 131 - 20, 145
 County Number

Loc. S2 NE NE

County Nemaha

640 Acres
N



Locate well correctly

Elev.: Gr. 1323

DF _____ KB _____

Operator
Incline Reserves

Address
1607 S.W. 37th St., Topeka, Kansas 66611

Well No. 1 Lease Name Mackey

Footage Location
4290 feet from (N) (S) line 660 feet from (E) (W) line

Principal Contractor Glacier Drilling Co., Inc. Geologist Greg Owen

Spud Date October 17, 1988 Total Depth 3699 P.B.T.D. 3645 b

Date Completed October 29, 1988 Oil Purchaser _____

CASING RECORD

Report of all strings set—surface, intermediate, production, etc.

Purpose of string	Size hole drilled	Size casing set (in O.D.)	Weight lbs/ft.	Setting depth	Type cement	Sacks	Type and percent additives
SURFACE	12 1/4	8-5/8		320 -	Common	180	3%CC, 1% flo seal
PRODUCTION							

WELL LOG

Show all important zones of porosity and contents thereof; cored intervals, and all drill-stem tests, including depth interval tested, cushion used, time tool open, flowing and shut-in pressures, and recoveries.

Formation	Top	Btm.	Formation	Top	Btm.	Formation	Top	Btm.
soil	0	20						
clay	20	72						
sand	72	120						
shale w/ lime	120	329						
shale w/ lime	329	790						
shale w/ lime	790	880						
shale	880	950						
shale w/ lime	950	1015						
lime & sand	1015	1401						
limestone & lime	1401	1460						
sand & lime	1460	1734						
Base K.C.	1734							
Lime w/ shale	1734	1878						
sand	1878	1888						
shale w/ lime	1888	2018						
Sand & lime	2018	2100						
sand & lime	2100							
shale & lime	2448	2570						
shale & lime	2570	2600						
shale & lime	2600	2650						
lime & shale	2650							
hunton	2971	3450						
shale	3450	3652						
viola	3652							