

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

API NO. 15-199-20,093-00-00  
County Wallace  
NW NW SW Sec. 17 Twp. 13 Rge. 39 East  
X West

Operator: License # 9860  
Name Interstate Exploration, Inc. (ASTI) Resources  
Address RR #1, Box 90  
City/State/Zip Hays, KS 67601

2310 Ft North from Southeast Corner of Section  
4950 Ft West from Southeast Corner of Section  
(Note: Locate well in section plat below)

Purchaser

Lease Name Radiel Well # 1

Operator Contact Person Jerry Green  
Phone 913-625-5115

Field Name

Producing Formation

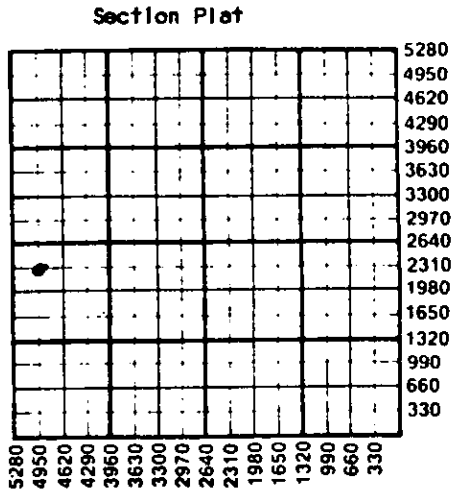
Elevation: Ground 3417 KB 3422

Contractor: License # 8241  
Name Emphasis Oil Operations

Wellsite Geologist Jerry Green  
Phone 913-625-5115

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

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



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 150 Ft North from Southeast Corner  
(Stream, pond etc) 5250 Ft West from Southeast Corner  
Sec 17 Twp 13S Rge 39 East X West

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

WELL HISTORY

Drilling Method:  
X Mud Rotary Air Rotary Cable  
11/24/86 12/4/86 12/4/86  
Spud Date Date Reached TD Completion Date  
5200 RTD  
Total Depth PBTD

Amount of Surface Pipe Set and Cemented at 328 feet  
Multiple Stage Cementing Collar Used? Yes X No  
If yes, show depth set feet  
If alternate 2 completion, cement circulated  
from feet depth to w/SX cmt  
Cement Company Name  
Invoice #

INSTRUCTIONS: This form shall be completed in duplicate and filed with the Kansas Corporation Commission, 200 Colorado Derby Building, Wichita, Kansas 67202, within 90 days after completion or recompletion of any well. Rule 82-3-130 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 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 [Signature] Date 12-15-86

Subscribed and sworn to before me this 15 day of December 1986.  
Notary Public Reva F. Musgrove  
Date Commission Expires 3-28-88

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)



Rec'd  
12-22-1986

Sec 17, Twp 13, Rge 39E

SIDE TWO

Operator Name Castle Resources Lease Name Radiel Well # 1

Sec. 17 Twp. 13S Rge. 39  East  West County Wallace

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

Name	Top	Bottom
Topeka	3705	
Heebner	3924	
Lansing KC	3977	
Base KC	4331	
Altamont	4356	
Pawnee	4445	
FE Scott	4500	
Marrow Shale	4692	
Marrow Sand	4716	
Mississippi-St Louis	4823	
LTD	5197	
RTD	5200	

See attached Driller's log

DST # 1 4665-4721  
 IFP 61-70  
 ISIP 993  
 FFP 82-86  
 FSIP 944  
 Recovery 70' watery mud  
 DST # 2 4666 to 4810

Intervals 45-45-45-45  
 First Open 'blow weak building to fair 2 1/2" in bucket.  
 Second Open fair to bottom of bucket in 30 min.

IFP 114 to 207 ISIP 1046 Recovery 515' total fluid 150' mud

FEPS 2280283 FSIP CASING RECORD  New  Used 365' water

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	328	60/40 poz	180	3% c.c., 2% gel

Shots Per Foot	Specify Footage of Each Interval Perforated	Acid, Fracture, Shot, Cement Squeeze Record (Amount and Kind of Material Used)	Depth

TUBING RECORD Size Set At Packer at Liner Run  Yes  No

Date of First Production Producing Method  Flowing  Pumping  Gas Lift  Other (explain).....

Estimated Production Per 24 Hours	Oil Bbls	Gas MCF	Water Bbls	Gas-Oil Ratio	Gravity

METHOD OF COMPLETION Production Interval

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

DEC 21 1985  
 CONSERVATION DIVISION  
 Wichita, Kansas  
 STATE OF KANSAS  
 DEPARTMENT OF REVENUE