

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 # 06113
Name Landmark Oil Exploration, Inc.
Address 250 N. Water, Suite 308
City/State/Zip Wichita, Kansas 67202

Purchaser KOCH

Operator Contact Person Jeff Wood
Phone (316) 265-8181

Contractor: License # 5883
Name Warrior Drilling Company

Wellsite Geologist Rob Patton
Phone (316) 651-0061

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

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

WELL HISTORY

Drilling Method:
 Mud Rotary Air Rotary Cable
Spud Date Date Reached TD Completion Date
4611' PBTD

Amount of Surface Pipe Set and Cemented at 261 feet
Multiple Stage Cementing Collar Used? Yes No
If yes, show depth set 2450 feet
If alternate 2 completion, cement circulated from feet depth to w/SX cmt
Cement Company Name
Invoice # 7-10-89

API NO. 15-101-21,499-0000
County Lane
SW SW SE Sec 36 Twp 17S Rge 29 East XX West

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

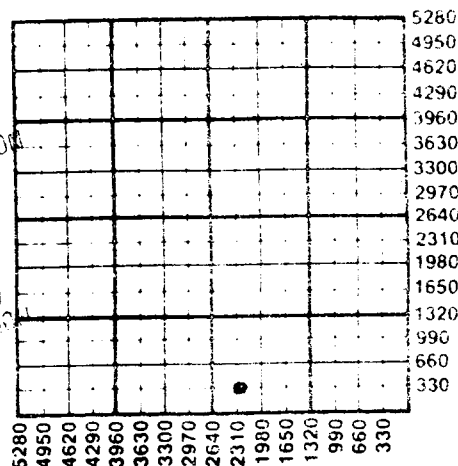
Lease Name Boomhower Well # 2-36

Field Name Boomhower

Producing Formation Johnson

Elevation: Ground 2759' KB 2766'

Section Plat



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OIL & GAS CONSERVATION DIVISION
Wichita, Kansas

WATER SUPPLY INFORMATION

Disposition of Produced Water: Disposal Repressuring
Docket #

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

Source of Water:
Division of Water Resources Permit # Applied For

Groundwater Ft North from Southeast Corner
(Well) Ft West from Southeast Corner of
SE/4 & NE/4 Sec 36 Twp 17S Rge 29 East XX West

Surface Water Ft North from Southeast Corner
(Stream, pond etc) Ft West from Southeast Corner
Sec Twp Rge 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
Title President, Jeffrey R. Wood Date 03-15-89

Subscribed and sworn to before me this 15th day of March 1989
Notary Public Karri Wolken
Date Commission Expires

K.C.C. OFFICE USE ONLY
 Letter of Confidentiality Attached
 Wireline Log Received
 Drillers Timelog Received
Distribution
 KCC SWD/Rep NGPA
 KGS Plug Other (Specify)
3-16-89
Form ACO-1 (5-86)

Sec 36 Twp 17S Rge 29 East XX West

DAILY DRILLING REPORT



#2-36 Boomhower
SW SW SE, Sec. 36-17S-29W
Lane County, Kansas
GL: 2759' KB: 2766'

01-14-89 Move in rotary tools. Warrior has the contract. Spud at 2:30 p.m. Ran 6jts. - tallied 250' - of new 23# 8-5/8" surface casing. Set at 261' and cemented with 115 sacks of 60-40 poz-mix, 3% CC, 2% gel. Plug down at 6:45 p.m.

01-15-89 Drilling at 590'.

01-16-89 Drilling at 2218'.

01-17-89 Drilling at 3050'.

01-18-89 Drilling at 3645'.

01-19-89 Drilling at 4085', DST #1 ("H" zone) 4103-4140, 45-45-45-45. Rec. 40' ocm 25% oil. FP 21-21/32-32#. SIP 969-937#.

01-20-89 Testing at 4191'. DST #2 ("J" zone) 4170-4191, 45-45-45-45. Rec. 70' wm with a show of oil. FP 21-21/32-32#. SIP 744-744#.

01-21-89 DST #3 4205-4230, 30-45-30-45. Rec. 1300' water. FP 183-540/626-711#. SIP 765-776#.

01-22-89 Drilling ahead. DST #4 (Ft. Scott/Johnson) 4445-4555, 30-45-45-60. Rec. 200' gip, 160' mco, 880' g & mco as follows:

	M	O	G
160'	20%	50%	30%
180'	10%	90%	
270'	30%	60%	10%
180'	5%	30%	65%
90'	10%	60%	30%
880'			

FP 75-183/237-356#. SIP 905-991#.

01-23-89 DST #5 (Marmaton) 4290-4336, 30-45-45-60. Rec. 90' gip, 60' slight ocm (5% oil), 270' mw with scum of oil. FP 43-75/118-172#. SIP 1098-1087#. RTD 4611'.

01-24-89 Logged. Ran 115 jts. of 4-1/2" production casing, set 1' off bottom at 4612'. Halliburton ran 20 barrel salt flush and 500 gallons Super "K" flush ahead of cement. Cemented with 185 sacks of Halliburton EA-2 cement. Centralizers set at the following joints: 1,3,5,7,9,12,15,18,53,65,80, and 95. Cement basket set at joint 53. Port Collar set at 2157'. Plug down at 12:00 a.m. with 1150# pressure released and holding. No circulation after cement hit bottom.

REFERENCE WELL TOPS

Landmark #1 Boomhower
NW SW NE, Sec. 36-17S-29W
KB: 2787'

Anhydrite	2163'	(+624)
Heebner	3936'	(-1149)
Lansing "A"	3976'	(-1189)
Muncie Creek	4137'	(-1350)
"J" Zone	4211'	(-1424)
Stark	4234'	(-1447)
"K" Zone	4237'	(-1450)
BKC	4317'	(-1530)
Ft. Scott	4481'	(-1694)
Cherokee	4505'	(-1718)
Mississippi	4564'	(-1777)
L.T.D.	4644'	(-1857)

SAMPLE TOPS

Anhydrite	2144'	(+622)
Heebner	3901'	(-1135)
Lansing "A"	3943'	(-1177)
Muncie Creek	4105'	(-1339)
Lansing "H"	4123'	(-1357)
Lansing "J"	4183'	(-1417)
RTD	4611'	(-1845)

LOG TOPS

Anhydrite	2143'	(+623)
Wabaunsee	3515'	(-749)
Heebner	3903'	(-1137)
Lansing "A"	3940'	(-1174)
Muncie Creek	4109'	(-1343)
"J" zone	4186'	(-1420)
Stark	4209'	(-1443)
"K" zone	4218'	(-1452)
BKC	4295'	(-1529)
Ft. Scott	4457'	(-1691)
Cherokee	4483'	(-1717)
Mississippi	4552'	(-1786)
LTD	4613'	(-1847)

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JUN 23 1989

CONSERVATION DIVISION
Wichita, Kansas

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CONSERVATION DIVISION
Wichita, Kansas

DAILY COMPLETION REPORT

#2-36 Boomhower
SW SW SE, Sec. 36-17S-29W
Lane County, Kansas

- 02-20-89 Great Guns perf. 4430' with 2 holes and 4442' with 1 hole. Ran Halliburton RTTS packer to 4453' and test 2000#. Reset packer at 4218'. Squeeze with 50 sacks of common, 10% salt, 3/4% Halad-322 blend 50 sacks of common, 10% salt, to 1000# in stages. Pulled 2 jts. pressure to 100# and shut-in.
- 02-21-89 Pull tubing and packer. Dragblocks, springs and ring missing from bottom of RTTS packer. Called KS Fishing Tool. Got magnet and junk basket. Ran magnet to 4330'. 1st run - dry; 2nd run - 1 drag-block; 3rd run - dry; 4th run - dry. Shut-in at 4:30 p.m.
- 02-22-89 Ran Hembree homemade fishing tool. Made run to baker port collar, would not go thru. Ground weld overlap off and reran tool. Recovered 3 drag-blocks and 8 springs. Ran magnet - dry run. Redressed tool and run back in to 4330'. Shut-in. (Halliburton to credit all rig time due to lost parts on Halliburton tool.)
- 02-23-89 Drilling out cement and clean up hole.
- 02-24-89 Pull tubing and bit. Load hole with clean salt water to run bond log. Great Guns ran from TD at 4573'-4200'. Added 10' new cement. Ran short strip from 2550-2400; port collar at 2450-2454. Great Guns perf. 4528-4532, 4522-4524, 4474-4478 and 4458-4460 with 3 spf. Good show of oil in Johnson (4528-4832). Ran Halliburton PPI tool at 4565'. Test tubing to 3000#. Set tool to treat perfs.:

4528-4532	250 gallons 15% FE Acid
4522-4524	150 gallons 15% FE Acid
4474-4478	250 gallons 15% FE Acid
4458-4460	150 gallons 15% FE Acid

- 02-25-89 Pull valves from PPI tool with sandline drill. Lower tool to straddle Johnson. Swab and test. Swab down 23.94 bbls to TD. Ran 30" tests:

5.98 fluid	100% oil
4.93 fluid	100% oil

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CONSERVATION DIVISION
Wichita, Kansas

Daily Completion Report (cont.)
Boomhauer #2-36

02-25-89 Move to lower Ft. Scott. Swab down, dry. Move to upper Ft. Scott. Swab down 16.82 bbls. to TD. Ran 30" tests:

5.22 fluid	100% oil
5.12 fluid	100% oil

Possible bottom packer set in lower Ft. Scott perfs. Shut in for nite.

02-27-89 Overnite fill up was 2322' (Johnson zone only). Moved bridge plug up and tested upper Ft. Scott. Swabbed 10.44 bbls, 6.96 oil, 3.48 treatment water. Ran 30" tests:

6.09 fluid	72% oil
5.51 fluid	100% oil
4.46 fluid	100% oil
5.22 fluid	100% oil
4.93 fluid	100% oil
4.35 fluid	100% oil

Will acidize Johnson and upper Ft. Scott zones as follows:

750 gallons of 15% NE at the bottom of Johnson
500 gallons of 15% NE at the top of Johnson
500 gallons of 15% NE at the top of Ft. Scott

02-28-89 Lowered bridge plug to 4500' and packer at 4394' to test. Pull valve and PPI tool. Swab Ft. Scott zones together. Swabbed down 9.28 bbls. Ran 30" tests: .29 water; .53 water; .29 water; .29 water Ft. Scott - dry. Pull PPI tool and bridge plug. Swab down 61.48 bbls of load water, 350' of last pull recovered 5.57 bbls. oil. Ran 30" test:

2.03 fluid	33% oil
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Changed swab cups. Ran 30" test:

6.69 fluid	84% oil
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Shut-in for nite.

Rich's Roustabout dug and layed 3650' of 2" PVC flow line. Hooked up to #1 well. Backfilled ditch.

JUN 23 1989

CONSERVATION DIVISION
Wichita, Kansas

Daily Completion Report (cont.)
Boomhauer #2-36

- **NOTE One bad joint of pipe from 4432-4472 ft. Packer would not hold in this joint. Possible split joint. Do not use wire cups to swab.
- 03-01-89 2450' down to fluid. Ran 15' mud anchor; 1.10 seating nipple; 147 jts 2-3/8" new tubing, set 4' off bottom at 4569'; ran 6' gas anchor; 2 x 1-1/2 x 12 new bhp; 2' pony on pump; 181 3/4" new rods; 2'-4'-4'-6'-6' pony rods; 16' polish rod with 6' liner and head. Bernbeck sanded grade; Rich's set; leveled and hung well on; hooked up well head; finished laying flow line; set Home Oil Co. propane and hooked up to engine. Mag. missing off C-66 engine; shut-in.
- 03-03-89 #1 and #2 produced a total of 110 bbls; #1 - 20 and #2 90 bbls.
- 03-04-89 #1 and #2 produced a total of 115 bbls; #1 - 20 and #2 95 bbls.
- 03-05-89 #1 and #2 produced a total of 115 bbls; #1 - 20 and #2 95 bbls.
- 03-06-89 #1 and #2 produced a total of 122 bbls; #1 - 20 and #2 102 bbls.

FINAL REPORT

Allied Cementing Co., Inc.

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CONSERVATION DIVISION
WICHITA, KANSAS

TEMPERATURE SURVEYS

Send the following information with temperature survey charts:

Date 6 14 89 Place Dighton 3 N 12 W

Company Name Landmark Oil Exploration

Mailing Address _____ City _____ State _____

Owner of Well Same Contractor _____

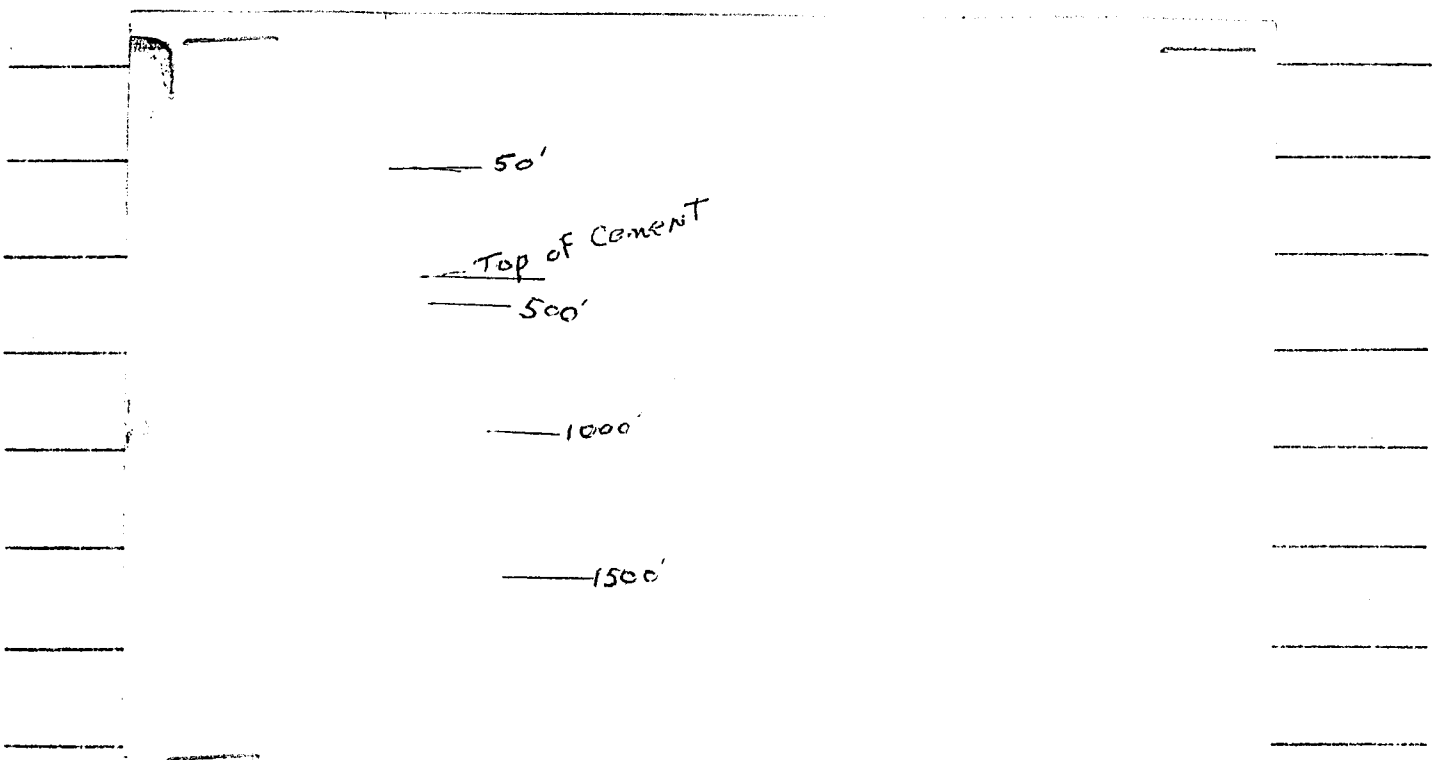
Farm Beamhower Well No. 2-36 County Lane Sec. 36 Twp. 17 Rge. 29

Depth of Well 4611 Depth of Casing 4610 New or Used _____ Size 4 1/2 Weight _____ Size of Hole 7 7/8 Amount of Cement _____

Kind of Cement _____

Survey from Ground Level To 1500

DETAILS



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STATE COMMISSION

3-2627, Russell, Kansas
-793-5861, Great Bend, Kansas

JUN 23 1980

Phone Plainville 913-434-2812
Phone Ness City 913-798-3843

CONSERVATION DIVISION
Wichita, Kansas

ALLIED CEMENTING CO., INC.

No. 6511

Home Office P. O. Box 31

Russell, Kansas 67665

Date	Sec.	Twp.	Range	Called Out	On Location	Job Start	Finish
7-15-89	36	17	29		8:30 AM	9:00 AM	11:30 AM
Lease	Well No.	Location		County	State		
Brampton	2-36	Dighton 2 1/2 W		Lane	KS		

Contractor	Type Job	Hole Size	T.D.
Hemlock	Back side		4611
Csg.	Tbg. Size	Depth	
4 1/2		4610	
Drill Pipe	Depth		
Tool Plug	Depth		4600
Cement Left in Csg.	Shoe Joint		
Press Max.	Minimum		100
Meas Line	Displace		

Owner	Charge To	Street	City	State
Lane	Landmark Oil Exploration Inc	250 N. Water Suite 308	Wichita	Ks 67202
To Allied Cementing Co., Inc. You are hereby requested to rent cementing equipment and furnish cementer and helper to assist owner or contractor to do work as listed.				
The above was done to satisfaction and supervision of owner agent or contractor				

Purchase Order No.	X
	Russell Bright
	CEMENT

Amount Ordered	Consisting of
100 lbs	Common 100 lbs 4.00 400.00
	Poz. Mix
	Gel.
	Chloride
	Quickset

Perf.	EQUIPMENT	
	No.	Cementer
	181	Bey
		Helper
		Mike Munch
	No.	Cementer
		Helper
		Driver
		Jack S.
	No.	Driver
	68	

DEPTH of Job	Reference:	
	Jump truck	450.00
	Milage	34.00
	Sub Total	
	Tax	
	Total	484.00

Handling	100	1.90	190.00
Mileage	34		102.00
	Sub Total		
	Total		592.00

Remarks: press 800# mid + pump
100 lbs down back side
100# standing press
THANKS

Floating Equipment	Total	1076.00
Less Disc	- 215.20	860.80
Plus Tax	+ 27.04	
Net Total		\$ 887.84

June 21, 1989

Page Two

Since the Campbell well was returned to production we have noted a subtle increase in water production. Analysis indicates fresh water entry into the wellbore. We feel approximately 10-12 BWPD is leaking in through one of the squeezes. We plan to isolate the squeezes, pressure test, and re-squeeze the leaking perms.

We are attaching a copy of the daily report and cementing tickets. We will copy the same information from the resqueeze procedure when completed. This work should be completed within 30 days.



Boomer #2-36
API# 15-101-21,499
SE/4, Sec. 36-175-29W
Lane County, Kansas

01-12-89 Drilling intent approved
01-14-89 Spud
01-24-89 Production csq cmt with 185sx
02-20-89 Completion started
03-03-89 Date of first production
05-15-89 Landmark letter requesting additional 90 days
for Alternate II Compliance
05-18-89 KCC letter granting extension to 06-17-89
06-13-89 Cementing operations commenced through port collar
06-14-89 Temperature survey showing top of cement at 400';
KCC advised and approved squeeze down backside to
comply
06-15-89 Cementing operations completed; well put back on
production

We are transmitting a copy of the daily report, cementing tickets and temperature survey with this correspondence. This well was completed as a lite Johnson zone producer and continued operations were questionable on original completion. The original completion was delayed considerably by weather.



York "B" #1-12
API# 15-101-21,455-A
NE/4, Sec. 12-175-30W
Lane County, Kansas

01-24-89 Drilling intent approved
01-26-89 Spud
01-27-89 Production csq cmt with 225sx
02-24-89 Completion started
03-15-89 Date of first production
05-26-89 KCC letter requesting Alternate II cementing tickets
06-07-89 Landmark request for 90 day extension
06-09-89 KCC letter granting extension until 07-09-89

June 21, 1989
Page Three

This well was a washdown completion attempt of a zone which indicated limited reservoir when originally drilled. The initial completion was delayed one month due to weather. Production has dropped to less than 2 BOPD. Currently the well is shut-in for an extended pressure build-up. If there is no reservoir pressure we will plug. We will advise you prior to 07-09-89 of future operations.

Ms. Stang, as shown by these documented operations and correspondence, Landmark is concerned about fresh and usable water protection. Landmark has communicated with and completed all the operations requested by the KCC in a timely manner at considerable expense. We were delayed in obtaining production data in two cases due to the weather. We will make certain to hold the original ACO-1 filing until cementing tickets are available and correspond with you prior to the 120 day deadline on all future wells.

As you are aware, the exploration industry is under tough economic times. We feel that although two of our requests for extensions were filed late, we have complied with the intent of protecting the ground waters and that any monetary fine would be inappropriate. Needless to say, this action would have a negative impact on our company. We would rather be part of a healthy growing exploration industry. Your consideration is appreciated. Please advise if you need any additional information.

Sincerely,

LANDMARK OIL EXPLORATION, INC.



William R. Horrigan
Operations Manager

WRH/kk

LANDMARK

OIL EXPLORATION, INC.

June 21, 1989

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STATE CORPORATION COMMISSION

JUN 23 1989

CONSERVATION DIVISION
Wichita, Kansas

Ms. Bea Stong
Kansas Corporation Commission
Oil and Gas Division
200 Colorado Derby Building
Wichita, Kansas 67202

RE: Landmark Oil Exploration, Inc.
Alternate II Cementing Compliance

Dear Ms. Stong:

Per our phone conversation June 21, we are providing an operation description and timing of Alternate II compliance for the following wells:



Campbell "A" #1-5 O&G
API# 15-055-20,753-A
SW/4, Sec. 5-21S-33W
Finney County, Kansas

01-22-88 Drlg intent approved
01-26-88 Spud
01-29-88 Production csg cmt with 175sx
02-16-88 Alternate II completion; Uphole cement with 500sx
02-20-88 Date of first production
09-23-88 Letter from KCC requesting cement band log
11-15-88 Band log run; Submitted to KCC on receipt;
Remedial work discussed following KCC receipt
12-20-88 Halliburton squeeze procedure completed; Provided
to KCC for approval on receipt
01-04-89 Letter from KCC approving squeeze procedure
02-08-89 Squeezed perms at 1040' with 100sx; squeezed perms
to at 640' with 100sx; drilled out; tested to 450 psig;
02-18-89 small bleed off to 250 psig in 10 minutes; ran band
log 02-13-89; advised KCC of results by phone (band
log supplied to KCC on receipt); KCC advised to perf
and squeeze at 810', if good squeeze, then return
well to production with no further surveys required;
perforated and squeezed with 100sx to 1000 psig;
pressure tested to 1000 psig, very slight bleed off;
returned well to production