

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

API NO. 15-155-21434 0000

County Reno  
150' N  
C - SW - SE - Sec. 13 Twp. 26S Rge. 9W X

Operator: License # 6170

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

Name: GLOBE OPERATING, INC.

1980 Feet from (E)W (circle one) Line of Section

Address P.O. Box 12

Footages Calculated from Nearest Outside Section Corner:  
NE, (SE), NW or SW (circle one)

City/State/Zip Great Bend, Kansas 67530

Lease Name Betts Well # 1

Purchaser: R & B Oil & Gas, Inc.

Field Name Lerado

Operator Contact Person: Richard Stalcup

Producing Formation Tarkio-Indian Cave

Phone (316) 792-7607

Elevation: Ground 1935 KB 1943

Contractor: Name: Discovery Drilling, Inc.

Total Depth 4205 PBDT 2441

License: 31548

Amount of Surface Pipe Set and Cemented at 263.22 Feet

Wellsite Geologist: Jim Musgrove

Multiple Stage Cementing Collar Used? Yes X No

Designate Type of Completion  
X New Well      Re-Entry      Workover

If yes, show depth set      Feet

     Oil      SWD      SIOW      Temp. Abd.  
X Gas      ENHR      SIGW  
     Dry      Other (Core, MSW, Expl., Cathodic, etc)

If Alternate II completion, cement circulated from     

feet depth to      w/      ex cmt.

If Workover/Re-Entry: old well info as follows:

Drilling Fluid Management Plan AH-1, 6-25-99, etc.  
(Data must be collected from the Reserve Pit)

Operator:     

Chloride content 18,000 ppm Fluid volume 240 bbls

Well Name:     

Dewatering method used Haul free fluids

Comp. Date      Old Total Depth     

Location of fluid disposal if hauled offsite:     

     Deepening      Re-perf.      Conv. to inj/SWD  
     Plug Back      PBDT  
     Commingled      Docket No.       
     Dual Completion      Docket No.       
     Other (SWD or Inj?) Docket No.     

Operator Name R & B Oil & Gas Inc.

3/30/99 4/9/99 4/10/99  
Spud Date Date Reached TD Completion Date

Lease Name NUNNEMAKER License No. 31191

SE Quarter Sec. 10 Twp. 26S Rng. 9W E/W

County Reno Docket No. D26,193

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 Joseph Stalcup  
Title President Date 6/9/99

Subscribed and sworn to before me this 9 day of June  
19 99

Notary Public Joann Koriel

Date Commission Expires: 7-23-2002

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)



Operator Name **GLOBE OPERATING, INC.**

Lease Name **Betts**

Well # **1-2-3**

Sec. 13 Twp. 26S Rge. 9W  
 East  
 West

County Reno

**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  
 (Attach Additional Sheets.)  
 Samples Sent to Geological Survey  Yes  No  
 Cores Taken  Yes  No  
 Electric Log Run  Yes  No  
 (Submit Copy.)

Log Formation (Top), Depth and Datum  Sample  
 Name Top Datum

SHEET ATTACHED

List All E.Logs Run: Dual Induction, Dual Compensated Porosity Log

**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
Surface Pipe	12 1/4	8 5/8	20	263.22	60/40Poz	190	2%Gel&3%CC
Production St.	7 7/8	5 1/2	14	2473	EA/2	150	10%Salt

**ADDITIONAL CEMENTING/SQUEEZE RECORD**

Purpose	Depth		Type of Cement	#Sacks Used	Type and Percent Additives
	Top	Bottom			
<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		Acid, Fracture, Shot, Cement Squeeze Record	
	Specify Footage of Each Interval Perforated		(Amount and Kind of Material Used)	Depth
25 spf.	2230-44	Tarkio	250 gals 7 1/2% mud acid	
25 spf	2174-79	Indian Cave		

**TUBING RECORD** Size 2 3/8 Set At 2247 Packer At None Liner Run  Yes  No

Date of First Resumed Production, SWD or Inj. 5-10-99 Producing Method  Flowing  Pumping  Gas Lift  Other (Explain)

Estimated Production Per 24 Hours Oil 140,000 Bbls. Gas 1.67 Mcf Water 1.67 Bbls. Gas-Oil Ratio 1.67 Gravity

Disposition of Gas:

**METHOD OF COMPLETION**

Production Interval

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

Open Hole  Perf.  Dually Comp.  Commingled  
 Other (Specify)

2230-44  
2174-79



ORIGINAL

# Globe Operating, Inc.

P.O. Box 12

Great Bend, Kansas 67530

(316) 792-7607

BETTS #1

Reno County, KS

RECEIVED  
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<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Herington	1378	+265
Winfield	1442	+201
Council Grove	1724	-81
Neva	1936	-293
Red Eagle	1994	-351
Indian Cave	2158	-515
Indian Cave Sand	2172	-529
Wabaunsee	2202	-559
Upper Tarkio Sand	2238	-595
Tarkio Lime	2352	-709
Willard	2378	-735
Elmont	2424	-781
Topeka	2718	-1075
Heebner	3122	-1479
Toronto	3188	-1545
Brown Lime	3294	-1651
Lansing	3326	-1683
Base Kansas City	3696	-2053
Mississippian	3886	-2243
Mississippian Lime	3964	-2321
Kinderhook Shale	3981	-2338
Viola	4181	-2538
Rotary Total Depth	4205	-2562
Log Total Depth	4204	-2561

(All tops and zones are corrected to Electric Log measurements.)



ORIGINAL

# Globe Operating, Inc.

P.O. Box 12

Great Bend, Kansas 67530

(316) 792-7607

BETTS #1

Reno County, KS

Drill Stem Test #1 1396-1492'

Times: 30-30-30-30

Blow: Weak to strong

Recovery: 180' gas in pipe  
60' very slightly gas cut mud

Pressures:	ISIP	106	psi
	FSIP	106	psi
	IFP	43-53	psi
	FFP	75-75	psi
	HSH	692-735	psi

Drill Stem Test #2 1998-2020'

Times: 30-30-30-30

Blow: Strong; gas to surface 3 minutes,  
gas gauged as follows:

Initial Flow

3 minutes	Gas to surface
10 minutes	86,800 cfgpd
15 minutes	53,200 cfgpd
20 minutes	19,500 cfgpd
25 minutes	13,000 cfgpd
30 minutes	10,100 cfgpd

Final Flow

5 minutes	17,600 cfgpd
10 minutes	42,400 cfgpd
Fluid to surface in 15 minutes	

Recovery: 1983' gas cut water

Pressures:	ISIP	760	psi
	FSIP	781	psi
	IFP	253-486	psi
	FFP	537-587	psi
	HSH	1115-1115	psi

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CONSERVATION DIVISION  
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Drill Stem Test #5 2216-2269'

Times: 45-30-45-45

Blow: Weak to strong

Recovery: 1300' gas in pipe  
60' slightly gas cut mud

Pressures: ISIP 447 psi  
FSIP 607 psi  
IFP 32-32 psi  
FFP 53-53 psi  
HSH 1247-1238 psi

Drill Stem Test #6 3364-3382'

Times: 30-45-60-60

Blow: Strong

Recovery: 80' very heavy oil and gas cut watery mud  
(10% gas, 30% oil, 10% water, 50% mud)

Pressures: ISIP 245 psi  
FSIP 383 psi  
IFP 32-32 psi  
FFP 43-43 psi  
HSH 1618-1628 psi

Drill Stem Test #7 3634-3680'

Times: 30-30-30-30

Blow: Strong

Recovery: 550' muddy water

Pressures: ISIP 1406 psi  
FSIP 1385 psi  
IFP 11-75 psi  
FFP 149-192 psi  
HSH 1887-1829 psi

Drill Stem Test #8 3894-3910'

Times: 45-45-45-60

Blow: Strong

Recovery: 1560' gas in pipe  
90' oil and gas cut watery mud  
(20% gas, 10% oil, 40% mud, 30% water)

Pressures: ISIP 1008 psi  
FSIP 1013 psi  
IFP 167-167 psi  
FFP 200-200 psi  
HSH 2082-2071 psi

**Times: 60-45-60-60**

**Blow: Strong; gas to surface 20 minutes,  
gas gauged as follows:**

Initial Flow

20 minutes	gas to surface
25 minutes	35,500 cfgpd
30 minutes	46,100 cfgpd
35 minutes	69,400 cfgpd
40 minutes	100,100 cfgpd
45 minutes	122,000 cfgpd
50 minutes	147,000 cfgpd
55 minutes	153,000 cfgpd
60 minutes	155,000 cfgpd

Final Flow

5 minutes	235,000 cfgpd
20 minutes	252,000 cfgpd
40 minutes	258,000 cfgpd
50 minutes	261,000 cfgpd
60 minutes	267,000 cfgpd

**Recovery: 120' gas cut mud  
80' thin watery mud**

<b>Pressures:</b>	<b>ISIP 639</b>	<b>psi</b>
	<b>FSIP 651</b>	<b>psi</b>
	<b>IFP 58-85</b>	<b>psi</b>
	<b>FFP 128-156</b>	<b>psi</b>
	<b>HSH 1183-1194</b>	<b>psi</b>

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Wichita Kansas

Drill Stem Test #4

2216-2269'

**Times: 45-30-60-45**

**Blow: Strong, gas to surface 46 minutes,  
gas gauged as follows:**

Final Flow

5 minutes	13,000 cfgpd
10 minutes	16,100 cfgpd
20 minutes	22,900 cfgpd
30 minutes	25,000 cfgpd
40 minutes	29,000 cfgpd
50 minutes	32,000 cfgpd
60 minutes	34,000 cfgpd

**Recovery: 105' slightly gas cut mud**

<b>Pressures:</b>	<b>ISIP 756</b>	<b>psi</b>
	<b>FSIP 767</b>	<b>psi</b>
	<b>IFP 43-43</b>	<b>psi</b>
	<b>FFP 53-53</b>	<b>psi</b>
	<b>HSH 1194-1183</b>	<b>psi</b>

ORIGINAL

# ALLIED CEMENTING CO., INC.

2478

Federal Tax I.D.# 48-0727860

REMIT TO P.O. BOX 31  
RUSSELL, KANSAS 67665

SERVICE POINT:  
Great Bend

DATE <u>3-30-99</u>	SEC. <u>B3</u>	TWP. <u>26</u>	RANGE <u>9</u>	CALLED OUT <u>11:30 AM</u>	ON LOCATION <u>2:00 P.M.</u>	JOB START <u>4:00 P.M.</u>	JOB FINISH <u>4:30 P.M.</u>
LEASE <u>Betts</u>		WELL # <u>1</u>	LOCATION <u>Langdon 55 3E</u>		COUNTY	STATE <u>KANSAS</u>	
OLD OR <u>NEW</u> (Circle one)							

CONTRACTOR Discovery Drilling  
 TYPE OF JOB SURFACE  
 HOLE SIZE 12 1/4 T.D. 265  
 CASING SIZE 8 5/8 DEPTH 263  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. 10'  
 PERFS. \_\_\_\_\_  
 DISPLACEMENT \_\_\_\_\_

OWNER Same  
 CEMENT  
 AMOUNT ORDERED 190 Sks 60/40  
3% CC 2% GEL

COMMON	<u>114</u>	@	<u>6.35</u>	<u>723.90</u>
POZMIX	<u>76</u>	@	<u>3.25</u>	<u>247.00</u>
GEL	<u>3</u>	@	<u>9.50</u>	<u>28.50</u>
CHLORIDE	<u>6</u>	@	<u>28.00</u>	<u>168.00</u>
		@		
		@		
		@		
		@		
		@		
HANDLING		@	<u>1.95</u>	<u>199.50</u>
MILEAGE	<u>44 / 50</u>	/ Mile		<u>235.00</u>

**EQUIPMENT**  
 PUMP TRUCK CEMENTER R. Davis  
 # 120 HELPER J. D.  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_  
 BULK TRUCK  
 # 260 DRIVER Blaine

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 TOTAL 1602.50

REMARKS:  
Cement Ctr. ✓  
Thanks  
Z

CONSERVATION DIVISION  
 Wichita, Kansas  
 SERVICE  
 DEPTH OF JOB \_\_\_\_\_ 470.00  
 PUMP TRUCK CHARGE \_\_\_\_\_  
 EXTRA FOOTAGE \_\_\_\_\_ @ \_\_\_\_\_  
 MILEAGE 31 @ 2.85 88.35  
 PLUG 8 5/8 @ 45.00  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL 603.35

CHARGE TO: Globe Operating  
 STREET \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

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 is listed. The above work was done to satisfaction and supervision of owner agent or contractor. I have read & understand the "TERMS AND CONDITIONS" listed on the reverse side.

SIGNATURE Thomas Alm

FLOAT EQUIPMENT  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 \_\_\_\_\_ @ \_\_\_\_\_  
 TOTAL \_\_\_\_\_

TAX \_\_\_\_\_  
 TOTAL CHARGE \_\_\_\_\_  
 DISCOUNT \_\_\_\_\_ IF PAID IN 30 DAYS  
 PRINTED NAME Thomas Alm

**JAMES C. MUSGROVE**

Petroleum Geologist  
 P.O. Box 1162  
 Great Bend, KS 67530

Office (316) 792-7716

Res. Claflin (316) 587-3444

Globe Exploration  
 Betts #1  
 150' N-C-SW-SE; Section 13-26s-9w  
 Reno County, Kansas  
 Page No. 1

**5 1/2" Production Casing Set**

**Contractor:** Discovery Drilling Company, Co. (Rig #1)

**Commenced:** March 30, 1999

**Completed:** April 9, 1999

**Elevation:** 1643' K.B.; 1638' D.F.; 1635' G. L.

**Casing Program:** Surface; 8 5/8" @ 263'  
 Production; 5 1/2" @ 2473'

**Samples:** Samples saved and examined 1200' to the Rotary Total Depth.

**Drilling Time:** One (1) foot drilling time recorded and kept 1200' to the Rotary Total Depth.

**Measurements:** All depths measured from the Kelly Bushing.

**Formation Testing:** There were eight (8) Drill Stem Tests ran by Trilobite Testers.

**Electric Log:** By Log Tech; Dual Induction and Dual Compensated Porosity Log.

**Gas Detection:** By MBC Well Logging – 1200 feet to the Rotary Total Depth.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Herington	1378	+265
Winfield	1442	+201
Council Grove	1724	-81
Neva	1936	-293
Red Eagle	1994	-351
Indian Cave	2158	-515
Indian Cave Sand	2172	-529
Wabaunsee	2202	-559
Upper Tarkio Sand	2238	-595
Tarkio Lime	2352	-709
Willard	2378	-735
Elmont	2424	-781
Topeka	2718	-1075
Heebner	3122	-1479
Toronto	3188	-1545
Brown Lime	3294	-1651
Lansing	3326	-1683
Base Kansas City	3696	-2053
Mississippian	3886	-2243
Mississippian Lime	3964	-2321
Kinderhook Shale	3981	-2338
Viola	4181	-2538
Rotary Total Depth	4205	-2562
Log Total Depth	4204	-2561

(All tops and zones are corrected to Electric Log measurements.)



**SAMPLE ANALYSIS, SHOWS OF OIL, TESTING DATA, ETC.**

**HERRINGTON SECTION**

1378-1400' Dolomite; gray, shaley in part, poor visible porosity, (46 unit gas kick).

**KRIDER SECTION**

1410-1430' Dolomite as above; scattered porosity, (95 unit gas kick).

**WINFIELD SECTION**

1442-1450' Limestone; tan, dolomitic, few fossiliferous, scattered porosity, trace gas bubbles. (116 unit gas kick).

1450-1470' Limestone as above; plus tan, dolomitic, shaley in part, and tan to brown chert, spotty fluorescence on chert, trace gas bubbles in dolomite. (380 unit gas kick).

**Drill Stem Test #1 1396-1492'**

**Times: 30-30-30-30**

**Blow: Weak to strong**

**Recovery: 180' gas in pipe  
 60' very slightly gas cut mud**

**Pressures: ISIP 106 psi  
 FSIP 106 psi  
 IFP 43-53 psi  
 FFP 75-75 psi  
 HSH 692-735 psi**

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**RED EAGLE SECTION**

1993-2000' Limestone; tan to gray, fossiliferous, oolitic, poor visible porosity, trace pale yellow fluorescence, questionable gas bubbles, no stain, no cut, no odor, no kick.

2007-2020' Limestone; gray to white to tan, finely crystalline, highly fossiliferous, good intercrystalline to pin point to vuggy type porosity, faint yellow fluorescence, questionable gas bubbles, no stain, no cut, 76 units gas kick.

**Drill Stem Test #2 1998-2020'**

**Times: 30-30-30-30**

**Blow: Strong; gas to surface 3 minutes,  
 gas gauged as follows:**

**Initial Flow**  
 3 minutes Gas to surface  
 10 minutes 86,800 cfgpd  
 15 minutes 53,200 cfgpd  
 20 minutes 19,500 cfgpd  
 25 minutes 13,000 cfgpd  
 30 minutes 10,100 cfgpd  
**Final Flow**  
 5 minutes 17,600 cfgpd

10 minutes 42,400 cfgpd  
 Fluid to surface in 15 minutes

Recovery: 1983' gas cut water

Pressures: ISIP 760 psi  
 FSIP 781 psi  
 IFP 253-486 psi  
 FFP 537-587 psi  
 HSH 1115-1115 psi

INDIAN CAVE SAND

2172-2179' Sand; gray to grayish green, very fine grained, sub angular few sub rounded, fair sorting, shaley in part, fair intergranular porosity, trace gas bubbles, questionable edge fluorescence, no stain, no cut, no odor, 450 units gas kick.

Drill Stem Test #3 2158-2204'

Times: 60-45-60-60

Blow: Strong; gas to surface 20 minutes,  
 gas gauged as follows:

Initial Flow

20 minutes	gas to surface
25 minutes	35,500 cfgpd
30 minutes	46,100 cfgpd
35 minutes	69,400 cfgpd
40 minutes	100,100 cfgpd
45 minutes	122,000 cfgpd
50 minutes	147,000 cfgpd
55 minutes	153,000 cfgpd
60 minutes	155,000 cfgpd

Final Flow

5 minutes	235,000 cfgpd
20 minutes	252,000 cfgpd
40 minutes	258,000 cfgpd
50 minutes	261,000 cfgpd
60 minutes	267,000 cfgpd

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 Wichita Kansas

Recovery: 120' gas cut mud  
 80' thin watery mud

Pressures: ISIP 639 psi  
 FSIP 651 psi  
 IFP 58-85 psi  
 FFP 128-156 psi  
 HSH 1183-1194 psi

UPPER TARKIO SAND

2238-2244' Sand; gray to grayish green, micaceous, silty in part, fair intergranular porosity, poor show gas bubbles, poor fluorescence, no stain, no cut, 1000+ unit gas kick.

Drill Stem Test #4 2216-2269'

Times: 45-30-60-45

Blow: Strong, gas to surface 46 minutes,

gas gauged as follows:

Final Flow

5 minutes	13,000 cfgpd
10 minutes	16,100 cfgpd
20 minutes	22,900 cfgpd
30 minutes	25,000 cfgpd
40 minutes	29,000 cfgpd
50 minutes	32,000 cfgpd
60 minutes	34,000 cfgpd

Recovery: 105' slightly gas cut mud

Pressures:	ISIP	756	psi
	FSIP	767	psi
	IFP	43-43	psi
	FFP	53-53	psi
	HSH	1194-1183	psi

WILLARD SECTION

2378-2382' Sand; gray, fine grained, sub angular to sub rounded, silty, fair porosity, few gas bubbles, no stain, no cut, no odor.

Drill Stem Test #5 2216-2269'

Times: 45-30-45-45  
 Blow: Weak to strong  
 Recovery: 1300' gas in pipe  
 60' slightly gas cut mud

Pressures:	ISIP	447	psi
	FSIP	607	psi
	IFP	32-32	psi
	FFP	53-53	psi
	HSH	1247-1238	psi

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 Wichita, Kansas

ELMONT, HOWARD, SEVERY & TOPEKA SECTIONS

2425-3090' There were several zones of well developed porosity encounters during drilling of the Elmont through the Topeka Section, but no oil and/or gas was noted.

LANSING SECTION

- 3326-3330' Limestone; tan, fossiliferous, chalky, poor porosity, no shows.
- 3335-3340' Limestone; white, fossiliferous, chalky, trace spotty brown stain, show of free oil and questionable odor in fresh samples. Poor fluorescence and cut, no gas kick.
- 3348-3360' Limestone; tan, finely crystalline, fossiliferous, scattered porosity, chalky, poor spotty brown stain, weak show of free oil, odor samples broken.
- 3371-3380' Limestone; tan, fine to medium crystalline, fossiliferous, fair porosity, light brown to golden brown spotty stain, show of free oil and questionable odor, 345 unit gas kick.

**Drill Stem Test #6** **3364-3382'**

**Times:** 30-45-60-60

**Blow:** Strong

**Recovery:** 80' very heavy oil and gas cut watery mud  
 (10% gas, 30% oil, 10% water, 50% mud)

**Pressures:** ISIP 245 psi  
 FSIP 383 psi  
 IFP 32-32 psi  
 FFP 43-43 psi  
 HSH 1618-1628 psi

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JUN 18 1994

CONSERVATION DIVISION  
 Wichita, Kansas

- 3384-3394' Limestone; tan to gray, few fossiliferous, scattered porosity, trace gray chert.
- 3424-3434' Limestone; tan, fossiliferous, chalky, poor visible porosity, no shows.
- 3440-3450' Limestone; white to gray, highly fossiliferous, fair to good porosity, no shows.
- 3450-3460' Limestone; as above, plus gray boney chert.
- 3503-3508' Limestone; white, oolitic, chalky, trace poor stain, weak show of free oil and questionable odor in fresh samples. (100 unit gas kick).
- 3520-3526' Limestone; gray to white, few oocastic, poor oocastic porosity, poor stain, weak show of free oil and no odor in fresh samples.
- 3540-3548' Limestone; tan, finely crystalline, poor porosity, no shows.
- 3554-3571' Limestone; fine to medium crystalline, fossiliferous, oolitic, slightly chalky, poor spotty stain, trace free oil (light) and faint odor in fresh samples.
- 3590-3601' Limestone; gray to white, finely crystalline, few granular, chalky in part, trace gray opaque chert.
- 3610-3630' Limestone; tan to gray, finely crystalline, slightly cherty, poor visible porosity, no shows.
- 3644-3657' Limestone; gray to white to tan, oolitic, oocastic, good oocastic porosity, trace pale yellow to bright yellow fluorescence, trace gas bubbles, 265 unit gas kick.

**Drill Stem Test #7** **3634-3680'**

**Times:** 30-30-30-30

**Blow:** Strong

**Recovery:** 550' muddy water

**Pressures:** ISIP 1406 psi  
 FSIP 1385 psi  
 IFP 11-75 psi

FFP 149-192 psi  
HSH 1887-1829 psi

MISSISSIPPIAN SECTION

3886-3910' Chert; white, tripolitic, weathered, fair to good pin point to vuggy porosity, fair to good golden brown to brown stain, fair show of free oil, good fluorescnece, good cut, 1000+ unit gas kick.

Drill Stem Test #8 3894-3910'

Times: 45-45-45-60

Blow: Strong

Recovery: 1560' gas in pipe  
90' oil and gas cut watery mud  
(20% gas, 10% oil, 40% mud, 30% water)

Pressures: ISIP 1008 psi  
FSIP 1013 psi  
IFP 167-167 psi  
FFP 200-200 psi  
HSH 2082-2071 psi

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3910-3920' Chert; yellow, green tinted, few fossiliferous, few recrystallized, fair vuggy porosity, scattered stain, show of free oil and questionable odor in fresh samples.

3920-3940' Chert; as above, fair to good porosity, scattered stain, show of free oil, fair fluorescence and cut, questionable odor in fresh samples.

3940-3966' Chert as above, fossiliferous, good porosity, spotty stain, show of free oil, plus white to gray boney to opaque chert.

3966-3981' Limestone; tan, gray, finely crystalline, cherty, few chalky, poor porosity, no show.

VIOLA SECTION

4181-4190' Dolomite; gray to tan, medium crystalline, scattered, intercrystalline porosity, trace gray chert.

4190-4204' Dolomite and chert; as above, trace iron pyrite, no shows.

Rotary Total Depth 4205 (-2562)

Log Total Depth 4204 (-2561)

**Recommendations:**

On the basis of the favorable structural position and positive Drill Stem Tests, it was recommended by all parties involved to set 2472' of 5 1/2" production casing to further test the following zones:

- 1) Upper Tarkio Sand 2238-2244 perforate
- 2) Indian Cave Sand 2174-2179 perforate

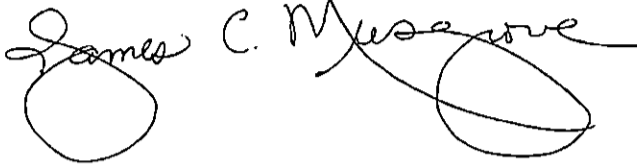
Before abandonment the following zones should be tested:

ORIGINAL

Globe Exploration  
Betts #1  
150' N-C-SW-SE; Section 13-26s-9w  
Reno County, Kansas  
Page No. 7

- 1) Red Eagle                      2010-2011    perforate  
2) Chase Group    1420-1424, 1402-1406, 1379-1390    perforate

Respectfully submitted;



James C. Musgrove  
Petroleum Geologist

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Wichita, Kansas



ORIGINAL  
013.29

FIELD ORDER

INVOICE NO.		Subject to Correction	
Date 4-10-99	Lease Bettis	Lease No.	Well # #1
Customer ID	Station Pratt KS	County Reno	State KS
Depth 4205	Formation	Legal Description 13-26-9	Job Type New Well
Casing 5 1/2	Casing Depth 2473	TD 4205	5 1/2 - long string
Customer Representative Richard Stalcup		Treater D Scott	

CHARGE

Globe Exploration Inc  
Box 12  
Great Bend KS 67530

AFE Number	PO Number
------------	-----------

Materials Received by **X**

Product Code	QUANTITY	MATERIAL, EQUIPMENT and SERVICES USED	UNIT PRICE	AMOUNT	ACCOUNTING	
					CORRECTION	AMOUNT
		GALS. ACID				
		GALS. ACID				
		GALS. ACID				
		GALS. INHIBITOR				
		LBS. KCL				
		GALS. SURFACTANT				
		GALS. ADDITIVE				
		BALL SEALERS				
F800	1 ea ✓	LBS. Thread Lock GEL				
F110	1 ea ✓	LBS. Cmt Basket SAND				
F231	1 ea ✓	LBS. Form PKR She SAND				
C223	846 Lbs ✓	LBS. Salt Fine PUMP CHARGE				
D100	150 SKs ✓	Class H Cement				
C192	71 Lbs ✓	FLA-1, Fluid Loss				
C195	36 Lbs ✓	Cell Flake				
C311	705 Lbs ✓	Cal Set				
F100	6 ea ✓	Centralizers				
F150	1 ea ✓	L.P. Baffle				
C300	5 gal ✓	A flush				
R205	2473 ✓	Cmt Pump Chrg PRESSURE ACID PUMP				
E107	150 SKs ✓	BALL INJECTOR Cmt Serv Chrg				
E104	317 T.M ✓	Bulk Delv HHP				
		BPM BLENDER				
E100	1 ea ✓	UNITS / way MILES 45				
		TONS MILES SAND				
Discounted Price =			3508.68			
+ Taxes						

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STATE COMPTROLLER'S OFFICE  
JUN 18 1999  
CONSERVATION DIVISION  
Wichita Kansas



Customer ID		Date	
Customer Globe Exploration Inc		4-10-99	
Lease Bettis		Lease No.	Well # 1
Field Order #	Station Pratt KS	Casing 5 1/2 14ppf	Depth 2473
Type Job 5 1/2 Prod String	Formation	County Reno	State KS
		Legal Description 3-26-9	

PIPE DATA		PERFORATING DATA		FLUID USED		TREATMENT RESUME		
Casing Size	Tubing Size	Shots/Ft		Rate	Press	ISIP		
5 1/2		open hole	2473-4205	150 sks 14			Max	5 Min.
Depth 2473	Depth	From 7 7/8	To	Pro Pad 1.48 14.8 ppg			Min	10 Min.
Volume	Volume	From SJ	To 22.3 ft	Bed 5% Col Set 10% Salt			Avg	15 Min.
Max Press	Max Press	From	To	Frac 1.5% FLA-1 1/2 ppg sk			HHP Used	Annulus Pressure
Well Connection	Annulus Vol.	From	To	Fluore			Gas Volume	Total Load
Plug Depth	Packer Depth	From	To	Flash Disp Fresh H <sub>2</sub> O 59.8 Bbl's				

Customer Representative <i>[Signature]</i>	Station Manager	Treater D Scott
Service Units 23	106	32
71		

Time	Casing Pressure	Tubing Pressure	Bbls. Pumped	Rate	Service Log
7300					Called Out
0130					On loc w/Trk's Safety mtg
					rent 2-3-4-5-7-9 & form PKR shoe w/Baffle
					on Top Shoe Jt.
					Csg on Bottom Circ w/Rig
0822	100			1	Drop Balls & Set PKR Shoe w/flush
0849	1200		8	5	PKR Shoe set Finish flush
0852	300		20	5	flush pumped
0900	0		10	5	HLO Spacer
0902	300			5	St mixing Cmt @ 14.8 ppg 150 sks
0908	0		37	0	finish mixing Cmt
0910			10	6	Chase In & wash Pump & line
0912				7	Release L.D. Plug & St Disp
0920	1100		60	0	Plug Down & PSI Test Csg
0922	0				Release PSI Held
					Good Circ During Job & lift psi
			3		Plug R.H. w/15 sks 40-60 por
			2.8		Plug M.H. w/10 sks 40-60 por
					Job Complete
					Thank you Scotty