

155 21404-00

ORIGINAL

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

Operator: License # 6170

Name: Globe Operating, Inc.

Address Box 12  
Great Bend KS 67530

City/State/Zip \_\_\_\_\_

Purchaser: N. C. R. A.

Operator Contact Person: Ralph Stalcup

Phone (316) 792 7607

Contractor: Name: Sterling Drilling Company

License: 5142

Wellsite Geologist: James C. Musgrove

Designate Type of Completion

New Well  Re-Entry  Workover

Oil  SWD  SLOW  Temp. Abd.  
 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  PBTB

Commingled  Docket No. \_\_\_\_\_

Dual Completion  Docket No. \_\_\_\_\_

Other (SWD or Inj?)  Docket No. \_\_\_\_\_

11/29/96 12/5/96 1/14/97

Spud Date \_\_\_\_\_ Date Reached TD \_\_\_\_\_ Completion Date \_\_\_\_\_

API NO. 15- \_\_\_\_\_

County RENO

C - SW - NE - SE Sec. 10 Twp. 25 Rge. 9  W  E

1650 Feet from S/N (circle one) Line of Section

990 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 Schmitt Well # 2-10

Field Name N. E. Langdon

Producing Formation Mississippi

Elevation: Ground 1673 KB 1682

Total Depth 4000 PBTB \_\_\_\_\_

Amount of Surface Pipe Set and Cemented at 233 KB Feet

Multiple Stage Cementing Collar Used?  Yes  No

If yes, show depth set \_\_\_\_\_ Feet

If Alternate II completion, cement circulated from \_\_\_\_\_

feet depth to \_\_\_\_\_ w/ \_\_\_\_\_ sx cmt.

Drilling Fluid Management Plan Att. 1, 3-18-98 v.c.  
(Data must be collected from the Reserve Pit)

Chloride content \_\_\_\_\_ ppm Fluid volume \_\_\_\_\_ bbls

Dewatering method used \_\_\_\_\_

Location of fluid disposal if hauled offsite: \_\_\_\_\_

Operator Name C & C Tank Service 1-31-97

Lease Name Roach License No. 30708

Quarter 14 Sec. 14 Twp. 23 S. Rng. 9  E/W

County Reno Docket No. 22208

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 Ralph Stalcup  
Title President Date 1/29/97

Subscribed and sworn to before me this 29 day of January, 1997.

Notary Public Joann Koriel

Date Commission Expires 7-23-98



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: Schmitt Well # 2-10

Sec. 10 Twp. 25 Rge. 9  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 (Attach Additional Sheets.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Log	Formation (Top), Depth and Datums	<input type="checkbox"/> Sample
Samples Sent to Geological Survey	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Name	Top	Datum
Cores Taken	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Heebner	3139	-1457
Electric Log Run (Submit Copy.)	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Toronto	3154	-1472
List All E.Logs Run:		Douglas	3166	-1484
Dual Induction Laterolog		Bn Lm	3321	-1639
Compensated Density Dual Spaced Neutron 11 Log		Lansing	3336	-1654
Complex Lithology Analysis Log		Base KC	3705	-2023
		log, Cherokee Sh	3807	-2125
		Miss	3846	-2164
		Miss Lm	3901	-2219
		Kinder Sh	3913	-2231

CASING RECORD							
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#	233	60/40 Poz	190	2% gel/3% CC
Production	7 7/8	5 1/2"	14#	3997	60/40 Poz	150	2% gel/18% salt/ CFR/

ADDITIONAL CEMENTING/SQUEEZE RECORD				
Purpose:	Depth Top Bottom	Type of Cement	#Sacks Used	Type and Percent Additives
<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
2	3872-1/2	3878-1/2	500 gal 15% NE	
2	3848	3854	20,000 gal MyT Gel Frac	

TUBING RECORD		Size <u>2 7/8"</u>	Set At <u>3913'</u>	Packer At	Liner Run <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Date of First, Resumed Production, SWD or Inj.		Producing Method <input type="checkbox"/> Flowing <input checked="" type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (Explain)			
<u>1-15-97</u>					
Estimated Production Per 24 Hours	Oil Bbls.	Gas Mcf	Water Bbls.	Gas-Oil Ratio	Gravity
	<u>45</u>	<u>60</u>	<u>300</u>		<u>35</u>

Disposition of Gas:  Vented  Sold  Used on Lease (If vented, submit ACO-18.)

METHOD OF COMPLETION:  Open Hole  Perf.  Dually Comp.  Commingled  Other (Specify) \_\_\_\_\_

Production Interval: 3848-3878

3848'  
3878 1/2'

# ALLIET CEMENTING CO., INC.

6197

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

ORIGINAL

SERVICE POINT:  
med. lodge, ks

DATE 11-29-96	SEC. 10	TWP. 25S	RANGE 9W	CALLED OUT 8:15 A.M.	ON LOCATION 10:30 A.M.	JOB START 1:25 P.M.	JOB FINISH 2:00 P.M.
LEASE Schmitt	WELL # 2-10	LOCATION 6th Langdon Rd. 3n-2E-1/4S			COUNTY Reno	STATE KS.	

OLD OR NEW (Circle one)

CONTRACTOR Sterling Drilling  
 TYPE OF JOB Surface casing  
 HOLE SIZE 12 1/4 T.D. 240  
 CASING SIZE 8 5/8 x 20" DEPTH 236'  
 TUBING SIZE \_\_\_\_\_ DEPTH \_\_\_\_\_  
 DRILL PIPE 4 1/2 x hole DEPTH 240'  
 TOOL \_\_\_\_\_ DEPTH \_\_\_\_\_  
 PRES. MAX \_\_\_\_\_ MINIMUM \_\_\_\_\_  
 MEAS. LINE \_\_\_\_\_ SHOE JOINT \_\_\_\_\_  
 CEMENT LEFT IN CSG. 10'  
 PERFS. \_\_\_\_\_

OWNER Globe operating  
CEMENT

AMOUNT ORDERED 190 sxs. 60/40  
3% CaCl<sub>2</sub> + 2% Gel

COMMON	<u>114</u>	@	<u>6.10</u>	<u>695.40</u>
POZMIX	<u>76</u>	@	<u>3.15</u>	<u>239.40</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>

**EQUIPMENT**

PUMP TRUCK CEMENTER Harry Drilling  
 # 237 HELPER Carl Balding  
 BULK TRUCK  
 # 242 DRIVER John Kelley  
 BULK TRUCK  
 # \_\_\_\_\_ DRIVER \_\_\_\_\_

HANDLING	<u>190</u>	@	<u>1.05</u>	<u>199.50</u>
MILEAGE	<u>190 x 35</u>		<u>.04</u>	<u>266.00</u>

TOTAL \$1596.80

**REMARKS:**

Pump 5 Bbls Fresh H<sub>2</sub>O Spacer  
Cement w/190 sxs. 60/40 2% Gel  
3% CaCl<sub>2</sub> Cement In. Stop Pumps  
Release Plug. Start Fresh H<sub>2</sub>O  
Displace. Displace 14 3/4 Bbls. Displace  
In. Shutt In. Cement Circ to  
Surface 3

**SERVICE**

DEPTH OF JOB	<u>236</u>			
PUMP TRUCK CHARGE	<u>0-300'</u>			<u>445.00</u>
EXTRA FOOTAGE		@		
MILEAGE	<u>35</u>	@	<u>2.85</u>	<u>99.75</u>
PLUG wooden	<u>8 5/8</u>	@	<u>45.00</u>	<u>45.00</u>

TOTAL \$589.75

CHARGE TO: Globe operating  
 STREET P.O. Box 12  
 CITY GREAT BEND STATE KANSAS ZIP 67530

**FLOAT EQUIPMENT**

		@		
		@		
		@		
		@		
		@		

TOTAL

WELL DATA

FIELD: SEC 10 TWP. 25 RING 9 COUNTY Reno STATE KS
FORMATION NAME: TYPE:
FORMATION THICKNESS: FROM: TO:
INITIAL PROD: OIL: BPD. WATER: BPD. GAS: MCFD
PRESENT PROD: OIL: BPD. WATER: BPD. GAS: MCFD
COMPLETION DATE: MUD TYPE: MUD WT.
PACKER TYPE: SET AT:
BOTTOM HOLE TEMP.: PRESSURE:
MISC. DATA: TOTAL DEPTH:

JOB DATA

TOOLS AND ACCESSORIES
TYPE AND SIZE QTY. MAKE
FLOAT COLLAR
FLOAT SHOE
GUIDE SHOE
CENTRALIZERS 5-4 6 Hawco
BOTTOM PLUG
TOP PLUG Swiper
HEAD Rotating
PACKER ISF/W/Fill

PERSONNEL AND SERVICE UNITS
NAME UNIT NO. & TYPE LOCATION
DATE 12.5 DATE 12.5 DATE 12.6 DATE 12.6
TIME 1600 TIME 1800 TIME 2456 TIME 0145

PERSONNEL AND SERVICE UNITS
NAME UNIT NO. & TYPE LOCATION

MATERIALS
TREAT. FLUID DENSITY LB/GAL. API
DISPL. FLUID DENSITY LB/GAL. API
PROP. TYPE SIZE LB.
ACID TYPE GAL. %
SURFACTANT TYPE GAL. IN
NE AGENT TYPE GAL. IN
FLUID LOSS ADD. TYPE GAL.-LB. IN
GELLING AGENT TYPE GAL.-LB. IN
FRIC. RED. AGENT TYPE GAL.-LB. IN
BREAKER TYPE GAL.-LB. IN
BLOCKING AGENT TYPE GAL.-LB.
PERFPAC BALLS TYPE QTY.
OTHER 2 gal Lhosurf-259
OTHER 4 gal Clay-Fix II

DEPARTMENT Cmt
DESCRIPTION OF JOB

JOB DONE THRU: TUBING CASING ANNULUS TBG./ANN.

CUSTOMER REPRESENTATIVE X

HALLIBURTON OPERATOR D Scott COPIES REQUESTED

CEMENT DATA

CEMENT DATA
STAGE NUMBER OF SACKS CEMENT BRAND BULK SACKED ADDITIVES YIELD CU.FT./SK. MIXED LBS./GAL.
Lead 80 40-60 Poz B 1/4 Flocele 2% Gel 18% Salt 1.26 14.6
Tail 70 40-60 Poz B 1/4 Flocele 2% Gel .5% Gas Stop 10 lbs Gilsonite 18% Salt 1.46 13.9

PRESSURES IN PSI

SUMMARY

VOLUMES

CIRCULATING DISPLACEMENT PRESLUSH: BBL.-GAL. 20 x 12 TYPE Clay-Fix II S.F.
BREAKDOWN: MAXIMUM 2500 LOAD & BKDN: BBL.-GAL.
AVERAGE FRACTURE GRADIENT TREATMENT: BBL.-GAL. DISPL: BBL.-GAL.
SHUT-IN: INSTANT 5-MIN 15-MIN. CEMENT SLURRY: BBL.-GAL. 17.9 + 18.2 = 36.1
ORDERED AVAILABLE USED REMARKS
AVERAGE RATES IN BPM See Job Log
TREATING DISPL. OVERALL
CEMENT LEFT IN PIPE
FEET REASON Insert
H2O Test Chloride 216
PH 7 Sulfate OK

Vertical text on the right margin: JMR, Globe Exploration, LEASE, SA MGR, WELL NO. 2-10, JOB TYPE, 5% Prod, DATE 12.5.00



JOB LOG HAL-2013-C

CUSTOMER Globe Explor	WELL NO. 2-10	LEASE Schmidt	JOB TYPE 5 1/2 Prod String	TICKET NO. 104725
--------------------------	------------------	------------------	-------------------------------	----------------------

CHART NO.	TIME	RATE (BPM)	VOLUME (BBT) (GAL)	PUMPS		PRESSURE (PSI)		DESCRIPTION OF OPERATION AND MATERIALS
				T	C	TUBING	CASING	
# 1								Called Out
								On Loc w/Trk's Safety mtg
								Run F.I.E Cent ORIGINAL
								Csg on Bottom Drop
								Ball & Circ w/Rig
								Rig up Howco
	2456	6	20			260		St 2% Clay-Fix II Flush
	2458	6	12			260		Pump Super Flush
	0101	6	5			250		H2O Spacer
	0112	6				300		St mixing Lead Cmt @ 14.6 ppg
	0116	6	12.3			260		St mixing Tail Cmt @ 13.9 ppg
	0118	<del>6</del>	30.5			<del>260</del>		Finish mixing Cmt
	0120	6	10					Close In wash pump + line
	0120							Release Top Swiper Plug
	0121	7				100		St Disp w/H2O & Clay-Fix II & Lasurf-259
	0131	7	69			310		Lifting Cmt
	0134		86			495		Stop Rotating Csg Decrease Rate
	0136		96.7			1200		Plug Down & Release psi Float OK Plug R.H. + M.H. w/25sk's lead Cmt Job Complete Thank you Scotty

ORIGINAL

Drill Stem Tests:

Drill Stem Test #1 3851-3875 (log 3847-3871)

Times: 30-45-60-60

Blow: Weak to strong

Recovery: 180' gas in pipe  
60' mud with few spots of oil

Pressures: ISIP 624 psi  
FSIP 707 psi  
IFP 23-23 psi  
FFP 35-35 psi  
HSH 1900-1900 psi

3871-3899' Chert; white to gray, slightly weathered, scattered porosity, golden brown stain, trace of free oil and questionable odor. Plus white to yellow fossiliferous chert, few with vuggy porosity, dull gray to black stain.

Drill Stem Test #2 3875-3903 (3871-3899)

Times: 45-45-60-60

Blow: Weak to strong

Recovery: 180' gas in pipe (faint??)  
60' oil and gas cut mud  
(41% gas, 12% oil, 47% mud)  
60' oil and gas cut mud  
(25% gas, 15% oil, 60% mud)  
60' oil cut watery mud  
(10% oil, 90% water)  
300' water, show of oil

Pressures: ISIP 789 psi  
FSIP 825 psi  
IFP 82-140 psi  
FFP 199-270 psi  
HSH 1912-1912 psi

NO. 10 15 JUN 1967  
GLOBE OPERATING, INC.  
RENO COUNTY, KANSAS

JAMES C. MUSGROVE

*Petroleum Geologist*

2021 Forest

P.O. Box 1162

Great Bend, Kansas 67530

ORIGINAL

Office (316) 792-7716

Res. Claflin (316) 587-3444

Globe Operating Inc.  
Schmitt #2-10  
SW-NE-SE;  
Section 10-25s-9w  
Reno County, Kansas  
Page No. 1

15-155-21404

RECEIVED  
KANSAS CORP. COMM.  
1997 JUN 31 P. 1:05

**5 1/2" PRODUCTION CASING SET**

**Contractor:** Sterling Drilling Co. (Rig #4)  
**Commenced:** November 29, 1996  
**Completed:** December 5, 1996  
**Elevations:** 1682' K.B., 1680' D.F., 1677' G.L.  
**Samples:** Samples saved and examined 2900' to the Rotary Total Depth.  
**Drilling Time:** One (1) ft. drilling time recorded and kept 2900' to the Rotary Total Depth.  
**Measurements:** All depths measured from the Kelly Bushing.  
**Formation Testing:** There were two (2) Drill Stem Test ran by Arrow Testers.  
**Electric Log:** By Halliburton; Dual Induction Laterlog, Compensated Density Dual Spaced Neutron II Log, Frac Finder, Complex Lithology Analysis Log.

<u>Formation</u>	<u>Log Depth</u>	<u>Sub-Sea Datum</u>
Heebner	3139	-1457
Toronto	3154	-1472
Douglas	3166	-1484
Brown Lime	3321	-1639
Lansing	3336	-1654
Base Kansas City	3705	-2023
Cherokee Shale	3807	-2125
Mississippi (Osage)	3846	-2164
Mississippi Lime (Gilmore City)	3901	-2219
Kinderhook Shale	3913	-2231
Rotary Total Depth	4000	-2318
Log Total Depth	3996	-2314

(All tops and zones corrected to Log measurements.)

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

**TORONTO SECTION**

3154-3166' Limestone; gray to tan, finely crystalline, cherty in part, poor visible porosity, no shows.

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KANSAS CORP. CO. 111  
MAY 31 19 05

**DOUGLAS SECTION**

3182-3239' Sand; fine to medium grained, micaceous, shaley in part, sub angular to sub rounded, friable, fair intergranular porosity, no shows.

**LANSING SECTION**

- 3336-3344' Limestone; tan to brown, fossiliferous, slightly chalky, no shows.
- 3375-3381' Limestone; gray to tan, fossiliferous, (oolitic), chalky in part, no shows.
- 3407-3424' Limestone; gray to tan, fossiliferous, granular, scattered porosity, no shows.
- 3425-3434' Limestone; tan, fine to medium crystalline, dolomitic, few fossiliferous, scattered intercrystalline porosity and no shows.
- 3438-3440' Limestone; as above, trace white to gray boney chert.
- 3458-3476' Limestone; tan, fine to medium crystalline, fossiliferous in part, fair scattered intercrystalline to vuggy porosity, no shows.
- 3486-3494' Limestone; tan, fossiliferous, slightly cherty, plus white to tan chert, no shows.
- 3514-3519' Limestone; white to light gray, finely oocastic, poorly developed oocastic porosity, no shows.
- 3529-3534' Limestone; gray to white, oolitic, oocastic, chalky, poor visible porosity, no shows.
- 3544-3570' Limestone; gray to tan, fossiliferous (oolitic), oocastic, fair to good oocastic porosity, no shows.
- 3621-3641' Limestone; gray to tan, fossiliferous, sub-oocastic, fine to medium crystalline, poorly developed porosity, no shows.
- 3681-3686' Limestone; gray to white, oolitic, chalky, fair porosity, (pin point to vuggy), fair gray to brown stain and saturation, show of free oil and faint odor in fresh samples.

**CHEROKEE SECTION**

3834-3843' Sand; quartzitic, clear, sub rounded to sub angular, poor visible porosity, trace black stain, no show of free oil or odor in fresh samples.

**MISSISSIPPI SECTION**



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1991 JUN 31 10 1:05

3846-3854' Chert; white to yellow, fossiliferous, scattered vuggy porosity, trace brown to golden brown stain, trace of free oil and no odor.

3854-3871' Chert; as above, plus white chert, semi-tripolitic slightly weathered, (chalky luster), scattered porosity, black to brown stain, trace of free oil and no odor in fresh samples.

Drill Stem Test #1 3851-3875 (log 3847-3871)

Times: 30-45-60-60

Blow: Weak to strong

Recovery: 180' gas in pipe  
60' mud with few spots of oil

Pressures: ISIP 624 psi  
FSIP 707 psi  
IFP 23-23 psi  
FFP 35-35 psi  
HSH 1900-1900 psi

3871-3899' Chert; white to gray, slightly weathered, scattered porosity, golden brown stain, trace of free oil and questionable odor. Plus white to yellow fossiliferous chert, few with vuggy porosity, dull gray to black stain.

Drill Stem Test #2 3875-3903 (3871-3899)

Times: 45-45-60-60

Blow: Weak to strong

Recovery: 180' gas in pipe (faint??)  
60' oil and gas cut mud  
(41% gas, 12% oil, 47% mud)  
60' oil and gas cut mud  
(25% gas, 15% oil, 60% mud)  
60' oil cut watery mud  
(10% oil, 90% water)  
300' water, show of oil

Pressures: ISIP 789 psi  
FSIP 825 psi  
IFP 82-140 psi  
FFP 199-270 psi  
HSH 1912-1912 psi

3901-3912' Limestone; white, medium crystalline, chalky, no shows.

KINDERHOOK SECTION

3913-3996' Varied colored splintery calcereous shales.

Globe Operating Inc.  
Schmitt #2-10  
SW-NE-SE;  
Section 10-25s-9w  
Reno County, Kansas  
Page No. 4

RECEIVED  
KANSAS CORP COMA  
1991 JUN 31 P 1:05

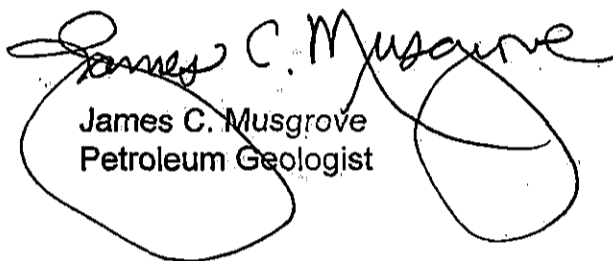
Rotary Total Depth 4000 (-2318)  
Log Total Depth 3996 (-2314)

**RECOMMENDATIONS**

On the basis of the favorable structural position and positive results of the Drill Stem Tests it was recommended by all parties involved to set and cement 5 1/2" production casing at 3995' (one foot off bottom, log measurements) and the following zones be perforated in the Schmitt #2-10:

- 1) Mississippi 3871-3878' perforate
- 2) Mississippi 3846-3854' perforate

Respectfully Submitted,

  
James C. Musgrove  
Petroleum Geologist