



Operator Name ..... Paul Prijatel ..... Lease Name ..... Glasco ..... Well # ..... 21-4

Sec. 21 ..... Twp. 2S ..... Rge. 32 .....  East  West ..... County ..... Cheyenne

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
Anhydrite	3204 (+101)	
Lansing	4250 (-945)	

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	360	Class A	235	60/40 nos 2% gel 3% CC

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

TUBING RECORD			
Size	Set At	Packer at	Liner Run <input type="checkbox"/> Yes <input type="checkbox"/> No

Date of First Production	Producing Method				
	<input type="checkbox"/> Flowing <input type="checkbox"/> Pumping <input type="checkbox"/> Gas Lift <input type="checkbox"/> Other (explain).....				
Estimated Production Per 24 Hours	Oil	Gas	Water	Gas-Oil Ratio	Gravity
	Bbls	MCF	Bbls	CFPB	

METHOD OF COMPLETION

Production Interval

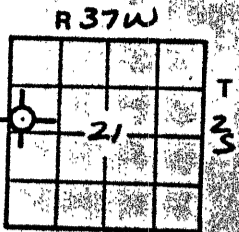
Disposition of gas:  Vented  Open Hole  Perforation  
 Sold  Other (Specify) .....  
 Used on Lease  Dually Completed  
 Commingled



# PAUL PRIJATEL Geologist

201 W. 8th St. SUITE 450

PUEBLO, COLORADO 81003  
(303) 544-2111 / 485-3848



COMPANY PAUL PRIJATEL

WELL # 21-4 GLASCO

LOCATION SW SW NW SECTION 21-T25-R37W

COUNTY CHEYENNE STATE KANSAS FIELD/PROSPECT GLASCO

ELEVATION GL 3298.6' KB 3305.6' TOTAL DEPTH 4800'

COMMENCED 11/18/87 TD LOGGER 4804' COMPLETED 11/26/87

TYPE WELL WILDCAT STATUS PLUGGED AND ABANDONED

DEEPEST FORMATION PENETRATED CHEROKEE LIMESTONE

SAMPLE LOG 3900' TO 4800' SAMPLE QUALITY GOOD

DRILLING RIG GOLDEN EAGLE DRILLING TOOL PUSHER DAVE PASCHALL

GEOLOGIST P. PRIJATEL MUD ENGINEER MORRIS MUD MUD UP DEPTH 3800'

MECHANICAL LOGS RADIATION GUARD

HOLE SIZE: SURFACE 12 1/4" INTERMEDIATE 7 7/8"

CASING SET 9 JOINTS OF 8 5/8" SURFACE CASING TO 360' AND  
PUMPED 235 SACKS OF 60/40 PDS 3% CALCIUM CHLORIDE 2% GEL

### BIT RECORD

BIT NO.	SIZE	MAKE	TYPE	DEPTH OUT	I. FEET	HOURS
1	12 1/4"	RT	365	365'	365	4
2	7 7/8"	RT		2423'	2058	14.5
3	7 7/8"	SMITH		2907'	484	10.75
4	7 7/8"	F 04 RR		4018'	1111	42.75
5	7 7/8"	AMERICAN		4800'		

DEVIATION SURVEY			DEVIATION SURVEY		
DEPTH	DEVIATION	FORMATION	DEPTH	DEVIATION	FORMATION
2423'	1°	DAKOTA			
2907'	1°	MORRISON			
4018'	1°	TOPEKA			

SAMPLE DISPOSITION SAMPLES SENT TO THE KANSAS GEOLOGICAL SURVEY

DRILLING TIME RECORDS ORIGINAL RECORDS ARE IN GOLDEN EAGLE COMPANY DRILLING FILES AND COPIES ARE IN THE GEOLOGIST'S FILES

MISCELLANEOUS FORMATION TOPS ON THIS STRIP LOG ARE CORRECTED TO ELECTRIC LOGS.

JAN 25 1988 KANSAS GEOLOGICAL SURVEY WICHITA BRANCH

### DAILY DRILLING SUMMARY @ 8:00 am

DATE	DAYS	DEPTH	FORMATION	FOOTAGE LAST 24 HOURS	STATUS
11/19	1	363	Pierre	363	
11/20	2	2423	DAKOTA	2060	WAIT ON CEMENT
11/21	3	3087	CEDAR HILLS	664	BIT TRIP
11/22	4				DRILLING

DATE	DAYS	DEPTH	FORMATION	FOOTAGE LAST 24 HOURS	STATUS
11/19	1	363	PIERRE	363	WAIT ON CEMENT
11/20	2	2423	DAKOTA	2060	BIT TRIP
11/21	3	3087	CEDAR HILLS	664	DRAWING
11/22	4	3791	RED EAGLE	654	DRAWING
11/23	5	4018	TOPEKA	277	DRAWING
11/24	6	4229	DOUGLAS	211	DRAWING
11/25	7	4531	F ZONE	302	
11/26	8	4800	CHEROKEE	269	CIRC FOR LOG
11/27					

ZONE	INTERVAL	ELEVATION	LOG EVALUATION		Rt (Ohm)	Sw %
			POSITION TO WELL #214 GLASCO	NØ POROSITY INTERVAL		
OREAD	4174-78	-869	3' LOWER	2' OF 8%	40	56
A	4250-52	-945	1' HIGHER	2' OF 15%	50	
B	4313-15	-1008	EVEN	2' OF 8%	3	
FT SCOTT	4464-66	-1359	EVEN	2' OF 6%	50	




REMARKS: BASED ON LOG EVALUATIONS AND HEAVY OIL IN SAMPLES  
 The # 214 Glasco was plugged & abandoned





DRILL STEM TESTS & CORES

NO CORES OR TESTS TAKEN

EXPLANATION OF SYMBOLS

- HYDROCARBON SHOWS
- Poor oil stain
  - Good to excellent oil stain
  - Dead oil

- LITHOLOGIC SYMBOLS
-  Limy shale
  -  Limestone
  -  Chalk

-  Siltstone
-  Dolomite
-  Gypsum
-  No sample

- Good to excellent oil stain
- Dead oil
- f Faint cut fluorescence
- m Strong cut fluorescence
- f Poor stain, faint cut fluorescence
- ◇ Hydrocarbon odor
- ↑ Gas indications

- ▨ Limy shale
- ▨ Limestone
- ▨ Chalk
- ▨ Anhydrite
- ▨ Bentonite
- ▨ Sandstone
- ▨ Sandy shale
- ▨ Shale
- ▨ Siltstone
- ▨ Dolomite
- ▨ Gypsum
- ▨ No sample
- ▨ Granite wash

PENETRATION RATE min/ft      DEPTH STRIP LOG      DESCRIPTION OR ENGINEERING DATA

DEPTH	DESCRIPTION OR ENGINEERING DATA
3900	sh, GRAY, BRN, FISSILE
20	sh, GRAY, BRN, FISSILE; MINOR LS, BUFF, TITE
40	sh, AS ABOVE; MINOR LS, AS ABOVE; TRACES OF PLATE
60	sh, AS ABOVE; MINOR SS, GRAY, FINE GRAIN, SAND, TITE
80	sh, GRAY, BRN, FISSILE; MIN LS, BUFF, GRAY, TITE, XLN
100	sh, AS ABOVE; MINOR LS, AS ABOVE
120	sh, GRAY, BRN, FISSILE; MIN LS, BUFF, TITE
140	sh, AS ABOVE; MINOR LS, BUFF, TITE
160	LS, BUFF, TITE XLN, OCC SOFT & CHALKY
180	LS, AS ABOVE; sh, GRAY, BRN, FISSILE
200	LS, AS ABOVE; sh, GRAY, BRN, FISSILE
220	sh, GRN, BRN, GRAY, FISSILE; MIN LS, BUFF, TITE, XLN
240	sh, BRN, GRN, GRAY, FISSILE
260	sh, BRN, GRN, GRAY, FISSILE; LS, BUFF, SOFT, CHALKY, OCC. FOSSILIFEROUS & XLN.
280	LS, BUFF, FOSSILIFEROUS, OCC SOFT & CHALKY
300	sh, GRAY, BRN, GRN, FISSILE
320	LS, BUFF, SOFT, CHALKY TO TITE & XLN; sh, BRN, GRAY, FISSILE
340	LS, AS ABOVE; sh, BRN, GRAY, FISSILE
360	LS, BUFF, SOFT, CHALKY TO TITE & XLN; sh, BRN, GRAY, FISSILE
380	sh, AS ABOVE; SS, GRAY, FINE GRAIN, SAND, FIRM, CLASTIC, OCC. AXITIC; LS, AS ABOVE
400	LS, BUFF, XLN, TITE, OCC SOFT & CHALKY
420	sh, GRAY, BRN, FISSILE
440	LS, BUFF, GRAY AS ABOVE

VIS 40  
WT 30  
GR 10

VIS 40  
WT 30  
GR 10

TOPEKA  
2032  
-167

DEEP GREEN  
4112  
-1800

DEEP GREEN  
4117  
-807

DEEP  
4177  
-869

A ZONE  
4350  
-985

B ZONE  
4515  
-1000

C ZONE

70 MINUTES 4100

70 MINUTES 4300

FIRM, GRANULITE, OCC. PYLITE; LS, AS ABOVE  
LS, BUFF, XLN, TITE, OCC. SOFT & CLAYY  
SH, GRAY, BRN, FISSILE

LS, BUFF, GRAY AS ABOVE

LS, GRAY, TITE, XLN

SH, GRAY, BROWN, GREEN, FISSILE; LS  
GRAY, TITE, XLN

SH, AS ABOVE; LS, AS ABOVE

SH, GRAY, BRN, FISSILE; MIN LS, GRAY,  
TITE, XLN

SH, AS ABOVE; MIN LS, AS ABOVE

SH, AS ABOVE; MIN LS, AS ABOVE

LS, BUFF, PINPOINT TO FERRUGINOUS  $\delta$ , LIVE  
HEAVY OIL W/ GOOD STN & GOOD ACID BUT  
FLUORESCENCE, OCC. CHALKY

LS, GRAY, BUFF, TITE, XLN

LS, GRAY, BUFF, TITE, XLN; SH, BRN,  
GRAY, FISSILE

LS, AS ABOVE; SH, AS ABOVE

SH, GRAY, BRN, FISSILE; LS, GRAY, TITE  
XLN

SH, AS ABOVE; MIN SS, GRAY, FINE GRAY,  
SAND, FIRM

SH, BRN, GRAY, FISSILE; MINOR LS,  
GRAY, TITE

LS, BUFF, PINPOINT TO VULVY  $\delta$ , TARRY TO  
HEAVY LIVE OIL W/ GOOD STN & POOR ACID  
BUT FLUORESCENCE

LS, GRAY, BUFF, TITE, XLN OCC. PYLITE

LS, BUFF, GRAY, TITE, XLN; SH, GRAY, BRN,  
FISSILE

SH, AS ABOVE; LS, BUFF, GRAY, TITE

SH, GRAY, BRN, FISSILE; LS, GRAY, BUFF,  
TITE; SS, GRAY, FERRUG, SAND, FIRM

SH, BRN, GRAY, FISSILE; LS, BRN, SLAY, TITE

LS, BUFF, PINPOINT INTERGRAN.  $\delta$ , TARRY  
TO HEAVY OIL W/ GOOD STN & POOR ACID  
BUT FLUORESCENCE

LS, AS ABOVE

LS, BUFF, GRAY, TITE, SPALLY W/ OCC. TRACES  
OF DEAD OIL STN; SH, BRN, GRAY, FISSILE

SH, BRN, GRAY, FISSILE; LS, BUFF, TITE

SH, BRN, GRAY, FISSILE; MIN LS, BUFF, TITE

SH, BRN, GRAY, FISSILE; MIN LS, BUFF, TITE

LS, GRAY, BUFF, TITE, OCC. SOFT AND

US 23  
W 44  
E 70

4000

D ZONE  
4376  
-1071

VIS 21  
WT 9.5  
BU 7.0

80

sh, BRN, GRAY, FISSILE; MIN LS, BUFF, TITE

LS, GRAY, BUFF, TITE, OCC SOFT AND  
CHALKY; sh, BRN, GRAY, FISSILE

LS, GRAY, BUFF, TITE, OCC SOFT AND CHALKY  
sh, BRN, GRAY, FISSILE

4400

LS, BUFF, XLN & TITE TO SOFT & CHALKY;  
MINOR sh, BRN, GRAY, FISSILE

sh, BRN, GRAY, FISSILE; LS, BUFF,  
TITE, XLN

D ZONE  
4418  
-1113

20

sh, BRN, GRAY, FISSILE; LS, BUFF, TITE, XLN

0/1

LS, GRAY, PINPOINT  $\emptyset$ , TRACES OF HEAVY LIVE  
OIL w/ FINE SAND & POOR ACID OUT FINGER.

40

sh, BRN, GRAY, FISSILE; MIN LS, BUFF, TITE

sh, BRN, GRAY, FISSILE; MIN LS, BUFF, TITE

sh, BRN, GRAY, FISSILE

60

E ZONE  
4476  
-1165

sh, BRN, GRAY, FISSILE; LS, BUFF, SOFT  
CHALKY

80

LS, BUFF, SOFT, CHALKY; sh, BRN, GRAY,  
FISSILE

sh, BRN, GRAY, FISSILE; LS, BUFF, TITE

sh, BRN, GRAY, FISSILE

E ZONE  
4504  
-1199

VIS 20  
WT 9.5  
BU 7.0

4500

LS, BUFF, SOFT, TITE, XLN, OCC SOFT AND  
CHALKY.

20

LS, BUFF, TITE, XLN, CHALKY, TO SOFT & CHALKY

LS, BUFF, SOFT, SH CHALKY; sh, BRN, GRAY,  
FISSILE

40

LS, GRAY, BUFF, SOFT, CHALKY; sh, BRN, GRAY,  
FISSILE

LS, BUFF, GRAY, SOFT, CHALKY TO XLN & TITE;  
sh, BRN, GRAY, FISSILE

0/1

60

LS, BUFF PINPOINT TO VUGGY  $\emptyset$  OCC LIVE OIL w/  
GOOD SAND & POOR ACID OUT FINGER. (2 PIECES)

sh, BRN, GRAY, FISSILE; LS, BUFF, GRAY,  
SOFT CHALKY

80

sh, BRN, GRAY, FISSILE; MIN LS, BUFF,  
GRAY, TITE

sh, BRN, GRAY, MINOR

sh, BRN, GRAY, FISSILE; MIN LS,  
BUFF, TITE

4600

sh, BRN, GRAY, FISSILE; LS, BUFF, TITE

PAWNEE  
4616  
-1211

20

sh, BRN, GRAY, FISSILE; TRACES OF FOSSILIFEROUS  
LIMESTONE, WHITE.

LS, BUFF, SOFT, CHALKY, OCC FOSSILIFEROUS  
sh, BRN, GRAY, FISSILE

VIS 20  
WT 9.5  
BU 7.0

sh, BRN, GRAY, FISSILE; LS, BUFF, SOFT

POWELL  
4616  
-1311

FIRST SAND  
4684  
-1359

CHESTER Limestone  
4696  
-1391

SECOND SAND  
4718  
-1413

CHESTER SANDSTONE  
4750  
-1445

LS  
2 1/2  
FL  
2 1/2

10 MINUTE

HOLES  
DIP  
UPPER  
CLIFF

4600

20

40

60

80

4700

20

40

60

80

1000

sh. BRN, GRAY, ANGLA

sh. BRN, GRAY, FISSILE; MIN LS,  
BUFF, TITE

sh. BRN, GRAY, FISSILE; LS, BUFF, TITE

sh. BRN, GRAY, FISSILE; TRACES OF FOSSILIFEROUS  
LIMESTONE, WHITE

LS, BUFF, SOFT, CHALKY, OCC FOSSILIFEROUS  
sh. BRN, GRAY, FISSILE

sh. BRN, GRAY, FISSILE; LS, BUFF, SOFT, TITE

sh. BRN, GRAY, FISSILE

sh. BRN, GRAY, FISSILE

LS, BUFF, PINPOINT  $\phi$ , LIVE HEAVY OIL W/  
FMR STN & FMR ACID BUT FLUORESCENCE

sh. BRN, GRAY, FISSILE; LS, BUFF, TITE

LS, BUFF, TITE; sh. BRN, BLACK, FISSILE

sh. BRN, BLACK, FISSILE; LS, BUFF,  
BRN, TITE

LS, BUFF, SOFT, CHALKY TO TITED XLN; MIN  
sh. BRN, GRAY, FISSILE

sh. BLACK, GRAY, BROWN, FISSILE, MIN LS,  
BUFF, TITE, XLN

LS, BUFF, GRAY, TITE, XLN, OCC SOFT &  
CHALKY; MIN sh. BRN, GRAY, FISSILE

LS, GRAY, BUFF, TITE, XLN, OCC SOFT & CHALKY

LS, AS ABOVE; sh. BRN, BLACK, GRAY, FISSILE

LS, BUFF, PINPOINT TO KIBBY  $\phi$ , LIVE HEAVY  
OIL W/ FMR STN & FMR ACID BUT FLUOR.

LS, GRAY, BUFF, TITE, XLN

sh. GRAY, BRN, FISSILE; LS, BUFF, GRAY,  
TITE

LS, BUFF, GRAY, TITE; sh. GRAY, BRN, FISSILE

LS, BUFF, GRAY, TITE; sh. GRAY,  
BRN, FISSILE