

TO BE DRILLED DEEPER BY:

V. COURTLANDT SMITH, II
1901 KANAWHA VALLEY BUILDING
CHARLESTON 1, WEST VIRGINIA
9-4-62

New Location...
Drill Deeper.....
Abandonment.....

2. 675
2. 03 W.
1-C (J-4)

Company KING OIL & GAS CO.
 Address SOUTH CHARLESTON, W. VA.
 Farm MANNING #1
 Tract _____ Acres 2 ± Lease No. _____
 Well (Farm) No. ONE Serial No. _____
 Elevation (Spirit Level) 567.
 Quadrangle ST. ALBANS - 1 - NE
 County PUTNAM District POCATALICO
 Engineer HOLSCLAW-BOWEN ENG'R. CO.
JOHN A. HOLSCLAW
 Engineer's Registration No. 1341
 File No. _____ Drawing No. _____
 Date AUG. 28. 1955. Scale 1" = 100'

STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
CHARLESTON

WELL LOCATION MAP
FILE NO. PUT-585-D

+ Denotes location of well on United States Topographic Maps, scale 1 to 62,500, latitude and longitude lines being represented by border lines as shown.

- Denotes one inch spaces on border line of original tracing.

No Samples 6-6-192 Deep Well NP



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION

Quadrangle ST. ALBANS

WELL RECORD

Permit No. PUT-585

Oil or Gas Well Gas
(KIND)

Company King Oil & Gas Company (F. R. Copper)
Address Box 8275 - South Charleston, W. Va.
Farm John R. & Dorothy Manning Acres 2
Location (waters) Pocatalico River
Well No. 1 Elev. 567.'
District Pocatalico County Putnam
The surface of tract is owned in fee by _____
Address _____
Mineral rights are owned by _____
Address _____

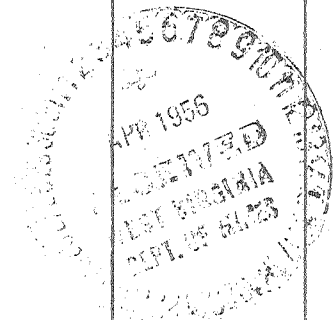
Drilling commenced September 30, 1955
Drilling completed October 31, 1955
Date Shot Acid From 1551' To 1560'
With 2000 Gallons
Open Flow /10ths Water in _____ Inch
/10ths Merc. in _____ Inch
Volume 12,000,000 Cu. Ft.
Rock Pressure 540 lbs. 48 hrs.
Oil _____ bbls., 1st 24 hrs.
Fresh water 150-152 feet 201-207 feet
Salt water 550-955 feet 1027' feet

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer _____
18	40'	40'	
10	150'	150'	Size of _____
8 1/2	215' 2450'	2450' 215'	
6%	1407'	1407'	Depth set _____
5 3/16			
3	1493'	1493'	Perf. top _____
2			Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES
_____ FEET _____ INCHES _____ FEET _____ INCHES

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth Found	Remarks
Top Soil			0	10			
Sand & Gravel			10	50			
Red Rock			50	55			
Sand			55	70			
Slate			70	107			
Red Rock			107	120			
Slate			120	190			
Sand			190	201			
Slate & Sand			201	210			
Sand			210	278			
Slate			278	327			
Sand			327	350			
Slate			350	380			
Sand			380	440			
Slate & Sand			440	460			
Sand			460	500			
Slate & Sand			500	550			
Salt Sand			550	597			
Slate			597	610			
Sand			610	620			
Salt Sand			620	682			
Sand			682	690			
Slate & Sand			690	760			
Sand			760	825			
Slate			825	880			
Sand			880	930			
Salt Sand			930	952			
Sand			952	965			
S. Sand			965	971			
Sand			971	1361			
Little Lime			1361	1400			
BIG LIME			1400	1453			
Blue Slate			1453	1456			
Lime			1456	1457			
Chalk - White			1457	1460			



Gas after 2000 gallon acid, gaged 60/10 Hg. 3"

Lime very hard - 1438-1448'
Gas 1451, 1453 and 1454
Inverted Hook Wall Packer with 16 " Reg. Rubber - set on 3" tubing at 1429'



STATE OF WEST VIRGINIA
DEPARTMENT OF MINES
OIL AND GAS DIVISION
DRILL DEEPER
WELL RECORD

Quadrangle St. Albans

Permit No. PUT-585D

Oil or Gas Well Gas
(KIND)

Company V. Courtlandt Smith, II
Address 1901 Kanawha Valley Bldg., Chas., W. Va.
Farm John R. & Dorothy Manning Acres 2
Location (waters) Poca River
Well No. C-6 Elev. 567
District Poca County Putnam
The surface of tract is owned in fee by J. R. Manning
Address _____
Mineral rights are owned by Same
Address _____
Drilling commenced September 19, 1962
Drilling completed January 7, 1963
Date Shot Not Shot From _____ To _____
With _____
Open Flow 22 /10ths Water in 2 Inch
_____ /10ths Merc. in _____ Inch
Volume _____ Cu. Ft.
Rock Pressure Not Taken lbs. _____ hrs.
Oil _____ bbls., 1st 24 hrs.
WELL ACIDIZED _____
WELL FRACTURED _____

Casing and Tubing	Used in Drilling	Left in Well	Packers
Size			
16			Kind of Packer _____
13	40	40	Anchor
10	150	150	Size of <u>5 1/2" x 7.00" x 10"</u>
8 1/4	245	245	& <u>2" x 5 1/2" x 10"</u>
6 5/8	1407	1407	Depth set <u>1467'</u> and <u>4510'</u>
5 3/16	1672	1672	
3	1493	Pulled	Perf. top _____
2	4542	4542	Perf. bottom _____
Liners Used			Perf. top _____
			Perf. bottom _____

CASING CEMENTED _____ SIZE _____ No. Ft. _____ Date _____

COAL WAS ENCOUNTERED AT _____ FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES
_____ FEET _____ INCHES FEET _____ INCHES

RESULT AFTER TREATMENT

ROCK PRESSURE AFTER TREATMENT

Fresh Water _____ Feet _____ Salt Water _____ Feet _____

shale gas
VOLUME 189 MCF

Formation	Color	Hard or Soft	Top	Bottom	Oil, Gas or Water	Depth	Remarks
Commenced Drilling						1462'	
Lime	Light	Med.	1462	1475			
Sandy Lime	Light	Hard	1475	1521			Sh. oil 1487'
Lime	Light	Hard	1521	1566			
Lime & Sand & Slate	Grey	Med.	1566	1578			
Slate			1578	1585			
Big Injun			1585	1642			
Slate			1642	1654			Sh. oil 1615'
Black Lime			1654	1684			Water at 1625'
Limey Slate			1684	1727			
Slate & Shells			1727	2052			
Coffee Shale			2052	2069			
Berea Sand			2069	2083			
Slate & Shells			2083	3286			
Brown Shale & Slate			3286	3385			
White Slate			3385	3610			
Brown Shale			3610	3789			
White Slate			3789	4210			
Brown Shale			4210	4433			Gas at 4240'
Corniferous	Blue		4433	4542			Gas at 4531'
TOTAL DEPTH				4542'			

4433
567
3866

