Form 3160-3 (March 2012)				;	1	FORM APPRO OMB No. 100	OVED 04-0137
14 - 1 83 - 14	UN	TED STA	TES	···· · · · · ·	596	Expires Octo	ber 31, 2014
	DEPARTMEN	NT OF TH	E INTERIOR	0.07	5	. Lease Serial No.	
	BUREAU OF	LAND MA	NAGEMENT	0013	$\frac{1}{6}$	I M 109394 If Indian, Allottee or Trib	e Name
	APPLICATION FOR PE		O DRILL OR I	REENTER Farmington	Field	01110t	
a. Type of work:	X DRILL REENTER			D 41044 01 2 4	7	. If Unit or CA Agreement,	Name and No.
b. Type of Well:	Oil Well X Gas Well	Other	X Single Zone	Multiple Zone	8 F	. Lease Name and Well No ederal 21-8-24 #1).
. Name of Operator:	SC (Agont: N	G INTER	RESTS I, LTD	- (IC)	9	API Well No.	
·····	P.O Box 2677		3h Phone No (inc	lude area code)		0. Field and Book or Evolu	
3a. Address	Durango, Colorado 8130	2	970-	·259-2701		o. Field and Pool, of Explo Basin Fruitland Coal	παιοιγ
. Location of Well (R	eport location clearly and in acc	ordance w	with any State requi	irements*)		1.Sec., T. R. M. or Blk and	d Survey or Area
At surface	Unit Ltr H (S	ENE) 135	50' FNL & 650' FE	EL		Contion 24 TOIN DOW	
At proposed prod.	Zone		SAME				
4. Distance in miles	and direction from nearest town 18.9 miles from Co	n or post (bunselor ,	office * , NM		1	2. County or Parish San Juan	13. State NM
5. Distance from pr	oposed *		16. No of acres in	n lease	17. Sp	pacing Unit dedicated to the	nis well
property or leas (Also to nearest	est e line, ft. : drig. Unit line, if any)	650'	140	3.23		320) E2 / 324 +/-1	Acres
8. Distance from pr	oposed location *		19. Proposed De	pth	20. B	LM/BIA Bond No. on file	····
to nearest well, applies for, on t	drilling completed, his lease, ft.	None	7	00'		NM 1935	
1. Elevations (Show	whether DF, KDB, RT, GL, etc)		22. Approximate	date work will star	t* 2	23. Estimated duration	
	6730'		Noven	nber 1, 2012		10 day	ys
			24. Attachm	ents			
The following comple	ted in accordance with the requi	irements o	of Onshore Oil and	Gas Order No. 1, m	nust be	attached to this form:	
. Well plat certified I	by a registered surveyor.			4. Bond to cover	the ope	erations unless covered by	an existing bond on
2. A Drilling Plan 3. A Surface Use Pla	n (if the location is on National F	- orest Sys	tem Lands, the	file (see Item 20 a 5. Operator certif	above.) fication		
SUPO must be filed w	vith the appropriate Forest Servic	ce Office.))	6. Such other site by the BLM.	e specifi	c information and/or plans	s as may be required
25. Signature		Name (Printed Typed)			Date	
Mach 77	Mark		Mike L. Mankin (505.634.6393)		Tuesday, Octob	er 30, 2012
litle		<u> </u>	2)				
And	IOF SG INTERESTS I, LTD (505.	034.639	5) Printed/Typed)		1	Date / /	
2A	Maylician				ľ	21/15/13	3
Title	AFIN	Office	CFO	······································	1		
Application approval applicant to conduct	does not warrant or certify that operations thereon.	the applic	ant holds legal or e		ose righ	ts in the subject lease wh	ich would entitle the
Conditions of approv	al, if any, are attached.			$\frac{1}{2}$			
Title 18 U.S.C. Section of the United States	n 1001 an Title 43 U.S.C. Sectio any false, fictitious or fraudulent	n 1212; n statemer	nake it a crime for hts or representatio	any person knowing	igly and r within	willfully to make to any d its jurisdiction.	epartment or agency
Continued on page	2)		Amon AIS	/ >	*(Ins	tructions on page 2)	
This action is sub	ject to technical and	19 CW	Jren Laker	Dy I	BLM'S	SAPPROVAL OR ACT	PPTANCE AP TH
procedural review and appeal pursu	v pursuant to 43 CFR 316649. Jant to 43 CFR 3165.4		0 ×		ACTIC	ON DOES NOT RELIE	VE THE LESSEE A
			MM	OCD (OPER	ATOR FROM OBTAIN	TING ANY OTHER
DRILLING OPF		APR	2 4 2013 C	a	AUTH ON FF	URIZATION REQUIR	LD FOR OPERATIC
SUBJECT TO ("GENERAL RE	COMPLIANCE WITH ATTACHED	11		· · · · ·			

د (ک) د		的
District I		
1625 N. French Dr, Hobbs, NM 88240 Phone: (575)393-6161 Fax: (575)393-0720	State of New Mexico 001 31 2012	Form C-102
District II	Energy Minerals & Natural Resources Department	Revised August 1, 2011
811 S. First St., Artesia, NM 88210 Phone: (575) 748-1283 Fax: (575) 748-97	20 OIL CONSERVATION DIVISION	it one copy to appropriate
District III	OIL CONSERVITION DIVISION Manageer 1 low en	District Office
1000 Rio Brazos Rd., Aztec, NM 87410 Phone: (505) 334-6178 Fax: (505) 334-61	1220 South St. Francis DE lieau of Land Manage	
District IV	Santa Fe, NM 8/505	AMENDED REPORT
1220 S. St. Francis Dr., Santa Fe, NM 875 Phone: (505) 476-3460 Fax: (505) 476-34	05 67	
Thone. (303) 470 5400 Tax. (303) 470-54	WELL LOCATION AND ACREAGE DEDICATION PLAT	
¹ API Number	² Pool Code ³ Pool Name	1
30-045-35430	71629 Basin truitland Con	a
⁴ Property Code	⁵ Property Name	Well Number
39858	FEDERAL 21-8-24	1

¹⁰ Surface Location

8 Operator Name

SG INTERESTS I, LTD.

l	UL or Lot No.	Section	Township	Range	Lot Idn.	Feet from the	North/South Line	Feet from the	East/West Line	County
	Н	24	21 N	8 W		1350	North	650	East	San Juan
	¹¹ Bottom Hole Location If Different From Surface									
1	TH and able	Castien	Taurahia	Deres	T and Tala	E-at fire-alia	North Courts Line	Free Court de	East/Milest I	Growth

⁹ Elevation

6730

OL OF LOUNO.	Section	Township	Kange	LOUIDE	rect tion the	Norui/Sodui Line	reet from the	East west Line	County
¹² Dedicated Acres E2/324 ^{4/-}	¹³ Joint o	r Infill 14	Consolidation	a Code 15 C	Order No.				
<u></u>									

7 OGRID No.

20572

No allowable will be assigned to this completion until all interests have been consolidated or a non-standard unit has been approved by the division.



Bearings from GLO PLat

SG INTERESTS I, INC. FRUITLAND DRILLING PROGRAM TS

WELL NAME:	Federal 21-8-24 #1
FIELD NAME:	Basin Fruitland Coal
LOCATION:	SENE/4 Section 24, T21N, R8W 1350' FNL, 650' FEL UL - A San Juan County, New Mexico
DATE:	October 2012
PROPOSED TD:	700'

DEPTH TO MINERALS: 530'

Note: Review APD Stipulations before moving on location. Review regulatory notification requirements and notify accordingly. Comply with all safety and environmental requirements.

Notify: BLM Field Office Manager (Inspection and Enforcement Section) 24 hours before SPUD, CEMENTING OR PLUGGING OPERATIONS at (505) 599-8907.

504-1750

DIRECTIONS:

A. "R

From the intersection of US Hwy. 550 and Co. Road 7900 at <u>+</u> Mile Marker 112.7 on Hwy 550 turn right on Co. Road 7900.

Follow Co. Road 7900 14.6 miles to "T" intersection, turn left. Continue 3.0 miles to first road on the right past a large water tank south of road. Turn right onto lease road and travel southwesterly ± 0.7 miles. Turn right and travel northwesterly ± 0.6 miles. Turn left and follow access road and pipeline 1328 feet southwesterly to location.

Equitland Drilling Program – Federal 21-8-24 #1 Page 2

DRILLING SKELETON:

Interval	Hole <u>Size</u>	Casing <u>Size</u>	<u>Depth</u>
Surface	12-1/4"	8-5/8"	180'
Production	7-7/8"	4-1/2"	680'

MUD PROGRAM:

Interval	Mud	Mud	Funnel	Water
	Type	<u>Weight</u>	<u>Viscosity</u>	<u>Loss</u>
0 - 180'	Native	8.5 - 9.1	30 - 50	N/C
180'-700'	Native/LSND	8.5 - 9.1	30 - 50	8 - 10

CORE PROGRAM: None

<u>ELECTRICAL LOGGING PROGRAM</u>: Openhole logs will include a GR/Caliper and a Formation Density log from TD to the surface casing shoe.

CASING AND CEMENTING PROGRAM:

<u>Interval</u>	<u>Size, Wt, Grade, Thread</u>	<u>Depth</u>	Cement
Surface	8-5/8", 24#, J-55, ST&C	180'	125 sx Type 5 2% CaCl, ¼#sx celloflake
Production	4-1/2", 10.5#, J-55, ST&C	TD	207 sx Type 5 ¼#/sx celloflake, 3# Gilsonite

WELLHEAD:Wellhead Inc.
8-5/8" x 4-1/2" W92 Casing Head – 3000# WP
7-1/16" x 4-1/2" 8 Rd W2F Tubing head -3000# WP
7-1/16" Tubing Mandrel
7-1/16" x 2-3/8" Threaded Hanger Flange
2" NPT Full Port Casing Valves

Fruitland Drilling Program – Federal 21-8-24 #1 Page 3

BLOWOUT PREVENTION EQUIPMENT REQUIREMENTS:

Description	<u>Rating</u>
Double Ram Type Preventer	2000 psi
Rotating Head	2000 psi

BOPE testing will be done by third party testers in accordance with Onshore Order No. 2. The test must be performed and recorded using a test pump, calibrated test gauges and properly calibrated strip or chart recorder. The test gauges and recorders must be of the proper range and resolution commensurate with the authorized test pressure. The test must be recorded in the driller's log and will include a low pressure test requirement of 250 psig held for 5 minutes and a high pressure test requirement held for 10 minutes. Casing pressure tests must be held for 30 minutes with no more than 10 percent pressure drop during the test.

GEOLOGIC PROGNOSIS:

Elevations: GL ~ 6730', KB ~ 6735'

Formation Tops:

Formation	Depth
Kirtland	80'
Fruitland	305'
Coal Top	480'
PC	530'
Total Depth	700'

Note: TD will be 150' below the lowest coal. The company man will be on location once coal(s) are penetrated until TD to monitor drilling breaks and to insure that 150' of rathole is drilled. When the hole is logged, if a coal zone is indicated within 150' of bottom, additional hole is to be drilled to provide 150' of rathole.

Eruitland Drilling Program – Federal 21-8-24 #1 Page 4

MUD PROGRAM:

A fresh water native mud (using lime, benex & gel additions) will be used to drill the surface hole. The 7-7/8" hole should be drilled with native mud and a LSND mud as necessary for hole stability just before the top of the Fruitland formation is encountered.

At the top of the Fruitland formation mud weights should be sufficient to control pressures; viscosity should be in the 30 - 50 sec range with a water loss of 8 - 10 cc, as needed.

The Fruitland Coals are expected to be under-pressured to normal-pressured and may encounter lost circulation. LCM should be stored on location and used as needed in the event of lost circulation. Barite should also be on location in the event an over-pressured zone is encountered and a kick is taken.

CASING AND CEMENTING PROCEDURE:

Note: Notify BLM 24 hours prior to spud and testing of BOP's and cementing. 505-599-8907. Note the new (June 1, 2005) Federal (BLM) requirements for the testing and test recording of the Blow-out Preventer Equipment. A copy is attached to the approved APD.

Surface Casing:

- 1. Drill to a minimum of 185' to accommodate tallied 8 5/8" casing plus 3'. Casing tally to be taken on location.
- 2. Use a landing joint of 8 5/8" casing to set casing at ground level. Guide shoe on casing should be not more than 2 feet off bottom. Casing head flange to be set at ground level.
- 3. Displace hole with casing volume of fresh water ahead of cement.
- Pump Type 5 cement with 2% CaCl at 5-7 barrel per minute. Drop plug and displace with fresh water when preflush returns are observed at the surface. Do not over-displace.
- 6. If plug does not bump, hold pressure for a minimum of three hours.
 - a. Wait on cement a minimum of 8 hours or until surface samples are hard *, whichever is longer <u>before</u> nippling up the BOP. Pressure test casing and BOP to 1500 psig for 30 minutes. Low pressure test BOP and Casing 250# for 10 minutes.
 - 1. **Note**: The BLM requirement is a minimum of 250 psi @ 60degrees F compressive strength **<u>before</u>** BOP may be nippled up.
 - 2. **Notes:** Use a standard 8 5/8" guide shoe, an 8 5/8" insert float, 3 centralizers and 1 stop ring. Set insert on top of first joint. Bakerlok shoe, float collar and bottom two joints of casing.

Fruitland Drilling Program – Federal 21-8-24 #1 Page 5

Production Casing:

- 1. Roll casing off truck with thread protectors in place.
- 2. Visually inspect, rabbit, number, and tally casing on racks. Remove thread protectors and clean threads. Use quick release protectors while running casing. Do not move or roll casing without thread protectors in place.
- 3. Change out pipe rams to accommodate 4-1/2" casing.
- 4. Bakerlok 4-1/2" float shoe to bottom of first joint of casing.
- 5. Bakerlok 4-1/2" differential float collar to top of first joint of casing. Bakerlok second joint of casing into top of float collar. Run "marker joint" 100' above top coal as per openhole logs.
- 6. Casing should be made up to proper torque (1320 ft-lb for 10.5# or 1540 ft-lb for 11.6#) using an API thread compound.
- 7. Casing should be run no faster than 2 feet per second (20 seconds per 40 foot joint). At the first indication of mud loss, the running time should be doubled to 40 seconds per joint (1 foot per second).
- 8. Break circulation at 350 feet and one joint above TD. Circulate a minimum of 15 minutes. Make sure that the hole is not flowing. Adjust mud properties as necessary. Circulate the last joint of casing to TD. Kick pumps in slowly to minimize surge pressures.
- 9. Turbolizing centralizers should be run on each of the first 7 joints. A stop-ring should be used to hold the first centralizer in place. Place the remaining centralizers on collars.
- 10. After casing is landed at TD, circulate hole until mud properties measured at the flowline are within the ranges given in the "Mud Program" of this drilling prognosis.
- 11. Rig up rotational cementing head and return lines. Chixson should be long enough to allow 25'-30' reciprocation.
- 12. Pump 10 barrels of fresh water. Pump 20 barrel chemical wash. Pump cement slurry. Wash lines.
- 13. Drop top plug and displace with water. Do <u>not</u> over-displace. Pipe should be rotated at 10-20 RPM or reciprocated at least 20 feet every two to three minutes throughout displacement.
- 14. Bump plug with 500 psi over final displacement pressure. Hold pressure for 5 minutes. If plug does not bump, hold initial shut down pressure on casing for 5 minutes. Then check to see that float is holding (flow back into cement pump tank).
- 15. Set slips, cut off casing and nipple down BOP. NU Casing Head. A plate or some other appropriate obstruction should be placed on the top of the casing head flange to prevent loss of material downhole. Do not leave Tubing Head, hanger and flange on location they will be stolen.

Eruitland Drilling Program – Federal 21-8-24 #1 Page 6

Cement Slurry Designs and Notes

Slurry	Cement & Additives	Water <u>Requirements</u>	<u>Weight</u>	Yield
Surface	Type 5 + 1/4#/sx celloflake, and 2% CaCl	5.0 gals/sx	15.8 ppg	1.15 cu. ft/sx
Calculate s	slurry using estimated volume +	100% excess.		

. . . .

Production	Type 5 + 1/4#/sx	5.0 gals/sx	15.8 ppg	1.15 cu. ft/sx
	celloflake, and 3# gilsonite	- 1		

Calculate slurry using caliper volume + 50% excess. Cement volume shown in this prognosis is based on hole and casing size and surface/long string annular volumes plus percentage excess shown above.

Notes:

- 1. Pump rates should be a minimum of 4 BPM through displacement.
- 2. Slurry weights should be measured using a mud balance at least every 10 minutes during mixing.
- 3. At least two samples of the tail should be caught and monitored at room temperature for thickening time.
- 4. Run Temperature Log if cement does not circulate.

SG Interests I, Ltd. (Agent: Nika Energy Operating, LLC) PO Box 2677 Durango, CO 81302 (970) 259-2701

Federal 21-8-24 #1 SENE (UL, H) Sec 24, 21N-R8W 1350' FNL & 650' FEL San Juan County, New Mexico

A- ~C

EIGHT POINT DRILLING PROGRAM

1. Estimated Formation Tops:

Kirtland	80'
Fruitland	305'
Coal Top	480'
PC	530'
Total Depth	700'

2. Estimated Depth of Anticipated Minerals:

Fruitland (Gas)

3. Minimum Specifications for Pressure Control Equipment:

BOP equipment and accessories will meet or exceed BLM requirements outlined in 43 CFR Part 3160.

480'

A 2000 psig double ram hydraulic BOP will be used (see attached diagram). Accessories to the BOP will meet BLM requirements for a 2000 psig system. The accumulator system capacity will be sufficient to close all BOPE with a 50% safety factor. Fill line, kill line and line to choke manifold will be 2". BOP's will be function tested every 24 hours and will be recorded on IADC log.

Surface casing will be tested to 1500 psig for 30 minutes.

Accessories to BOPE will include upper and lower Kelly cocks with handles, stabbing valve to fit drill pipe on floor at all times, string float at bit, 2000 psig choke manifold with 2" adjustable and 2" positive chokes, and pressure gauge.

Eight Point Drilling Program – Federal 21-8-24 #1 Page 2

4. Casing and Cementing Program:

Hole Size	Interval	<u>Csg Size</u>	Wt, Grd, Jt
12-1/4"	0-180'	8-5/8"	24.0#, J-55, STC
7-7/8"	0-700'	4-1/2"	10.5#, J-55, STC

Surface Casing will be cemented with 125 sx (144 cu ft) Type 5 w/2% CaCl and 1/4#/sx of celloflake (Yield = 1.15 cuft/sx, Weight = 15.8 #/gal). Cement volumes include 100% excess to circulate cement to surface. A guide shoe, insert float and three (3) centralizers will be used. WOC time is 8 hours. The casing will be pressure tested to 1500 psig.

Production Casing will be cemented with 207 sx (238 cu ft) Type 5 w/ 3# gilsonite and 1/4#/sx celloflake (Yield = 1.15 cuft/sx, Weight = 15.8 #/gal). Cement volume includes 50% excess to circulate cement to surface. In the event cement is not circulated a temperature survey will be run to determine the actual cement top. Cementing equipment will include a guide shoe, float collar and 7 centralizers. Class B or G may be used depending on availability of Type 5.

5. Mud Program:

A native water based mud system (FW) will be used initially followed by a low-solids, non-dispersed gel system (LSND) as needed to condition the hole for logs. Adequate amounts of lost circulation and weighting material will be on location if needed as well as sorbitive agents to handle potential spills of fuel or lubricants.

<u>Depth</u>	Type	<u>Wt (ppg)</u>	Vis (sec)	Wtr loss
0-180'	FW	± 8.5	30-33	NC
180'-TD	FW & LSND	± 8.7-9.1	30-50	8-10 cc

6. Testing, Coring and Logging Program:

No DST's or cores are planned. Openhole logs, if run, will include GR, Induction, Density and Caliper Logs. The GR-Density logs will be run from TD to the top of the Fruitland formation. GR-Induction-Caliper logs will be run from TD to the bottom of the surface casing.

 Eight Point Drilling Program – Federal 21-8-24 #1 Page 3

7. Anticipated Abnormal Pressures and Temperatures:

No abnormal pressures or temperatures are expected in this well. Maximum anticipated Fruitland reservoir pressure is 300 psig with a normal temperature gradient.

8. **Operations**:

Anticipated spud date is November 2012 or as soon as permits are received and work can be scheduled. Estimated drilling time is 4 - 5 days. The Fruitland will be completed as a cased hole completion, perforated and hydraulically fracture stimulated. Completion operations are expected to take 5 - 7 days and will commence as soon after completion of drilling operations and scheduling allow.



l	1	1
W2F-1-2000# W2F-1-3000#	Body	101 150
W2F-2-2000# W2F-2-3000#	Threaded Hanger Flange	89 111
W2-3S	Stripper Rubber	13.5
W2F-4-2000# W2F-4-3000#	Studs & Nuts	2 3
W2F-5	R45 API Ring	1½
W2F-6	Holddown Screw Assy. (4)	2
W2F-71-2000# W2F-71-3000#	Slip Flange	94 115
W2F-72	Packing Gland	
	w/cap Screws	5
W2F-74	Top Packing Ring	5
W2F-75	Rúbber Ring	1
W2F-76	Bottom Packing Ring	1/2
WR-7	Hinged Slips	13

SPECIFICATIONS

Bottom Thread Size	Tubing Size	Bore	Ht.
41/2" 8rnd	2"	4.090"	1
51/2" 8md	thru	5.012"	181/2"
7" 8rnd	· 3"	6.437"	•
		1	

Maximum Slip Load, 85,000 lbs.

MANDREL

Part No.	Tubing Size	Wt,
W2-3	2" thru 4"	42.5

* 11/16" 3H X 41/2" BRd Fenale Tubing Head

· ·		MODEL #	.	PARTNAME	W1 7"	Wt 8 5/8*	Wt 9 6/8*	Wt 10 3/4"	W. 13 3/6
	T	W92-1	Тор	Nut	20	25	32	28	70
	TOP	W92-2 W92-3 W92-4	Top (Rubi Botto	Packing Ring per Ring Im Packing Ring	5 1 1	12 3 1	15 2 1	20 2 1	40 3 13
	KING	W92-5	Hinge	ed Silps	19	35	45	70	85
and states in the second se	RUBBER	W92-6	Body		64	70	93	105	190
	RING	W92-99	Head	Complete	110	146	188	224	401
1965 - 1975 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 - 1965 -	- воттом	W92-8	Slip B	lowi	-	34	-	-	-
	PACKING							•	
	RING	Botton Threa Size	m Id	Casing Size		Bore	Ht	Top 'S	l'hread ize
	HINGED	7" 8m	d		6	437"		8 5/8	" 8rnd
	SLIP	7 5/8" 8	ma	4 1/2-5 1/2"	_6	.938"			
	×	8 5/8° 8	rnd	4 1/2-7"		8"	13 5/8 "	10 3/4	4" 8md
		9 5/8" 8	rnd	4 1/2-7 5/8*	_	9"		11 3/4	4" 8rnd
		10 3/4" 8	md	4 1/2"-8 5/8"	10	.047"		12 3/4	1" 8md
		11 3/4" 8	Imd		11	.048"			
		12 3/4" 8	Imd	4 1/2"-9 5/8"	12	.047"	15 7/8"	16"	8md
		13 3/8" 8	lmd		1	2.75			
					•				

BODY W/2"LP OUTLETS

Maximum slip load 170,000 lbs for the following casing sizes of K-55 Casing:

4 1/2" 10.5 lbs	5 1/2" 15.5 lbs.	7" 26 lbs.	8 5/8" 36 lbs.
9 5/8" 40 lbs.	10 3/4" 45.5 lbs.	11 3/4" 47 lbs.	13 3/8" 61 lbs.

Greater slip loads require higher casing grades or weights. Contact **Wellhead Inc** if higher hanging loads are required.

Catalog 1285-06 Copyright 2003

Part		W1.	₩t.	Wt.	'Wt.	Wt.
No.	Part Name	7"	; 8%"	9% "	10%"	13%"
W92-1	Top Nut	50	25	32	26	70
W92-2	Top Packing Ring	: 5	12	: 15	20	40
W92-3	Rubber Ring	1	3	2	2	3
W92-4	Bottom Packing Ring	1	1	1	1	13
W92~5	Hinged Slips	19	50	60	77	115
W92-6	Body	64	70	93	105	190
W92	Head Complete	110	. 161	203	231	431
W92-8	* Slip Bowl		34	-	_	— i







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RUBBER RING

TOP PACKING RING

BOTTOM PACKING RING

HINGED SLIPS

. .

.

BODY

2" L.P. WI Nipple, Bull Plug + Ball) Valve.

SPECIFICATIONS

۰.	Bottom Thread Size	Casing Size	Bore	Ht.	Top Thread Size
¥	7" Brnd	41⁄3 - 51⁄3"	6.437"		P54" Prod
	7% ** 8rnd		6.968"		070 0110
	8%" 8rnd	41/3 - 7"	8"	13%"	1034" 8md
	9%" 8rnd	41/2 • 7%	9"	<u>j</u>	1134" Brnd
	10¾" 8rnd	41/2 - 85/8°	10.047"		12¾" Brnd
	11-%** 8rnd	4½-9%"	11.048"		16" Brnd
	12% 8/nd		12.047"	151⁄9"	
	13 [:] %" 8rnd		12.75"		

Maximum Slip Load, 176,000 lbs.

* Note: Use W92-8 Slip Bowl with WR-7 Slip,



1d. 85/8" × 41/2" 51:p + 5e21 3000 #WP

Sq. Hd.

